



**Instructions for the following series products:**

Vertical Lifelines  
 Vertical Lifeline Subsystems

(See back pages for specific model numbers.)

**User Instruction Manual  
 Vertical Lifelines and  
 Vertical Lifeline Subsystems**

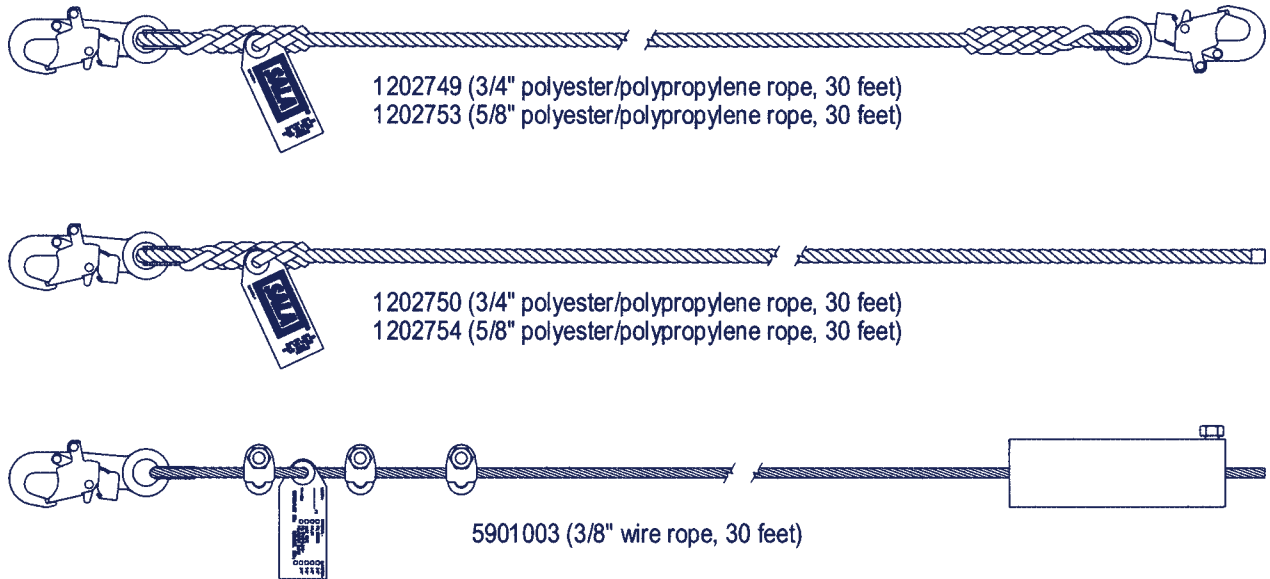
*This manual is intended to meet the Manufacturer's Instructions as required by ANSI Z359.1 and should be used as part of an employee training program as required by OSHA.*

**WARNING:** This product is part of a personal fall arrest or restraint 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 equipment, 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:** Record the product identification information from the ID label in the inspection and maintenance log in section 9.0 of this manual.

**Figure 1 - Vertical Lifeline Assemblies**



**Rope Cut to Length**

-  5/8" Polyester/Polypropylene rope  
5/8" Polyester rope
-  3/4" Polyester/Polypropylene Rope  
3/4" Polyester Rope
-  3/8" 7x19 Wire Rope

## DESCRIPTIONS

DBI/SALA Vertical Lifelines and Lifeline Subsystems are available in various styles and configurations. Following are descriptions of typical lifelines and lifeline subsystems. Your model may not be described exactly as configured:

### VERTICAL LIFELINE ASSEMBLIES:

<b>1202749:</b>	3/4-inch polyester/polypropylene rope, snap hook at each end, 30 feet long
<b>1202750:</b>	3/4-inch polyester/polypropylene rope, snap hook at one end, 30 feet long
<b>1202753:</b>	5/8-inch polyester/polypropylene rope, snap hook at each end, 30 feet long
<b>1202754:</b>	5/8-inch polyester/polypropylene rope, snap hook at one end, 30 feet long
<b>5901003:</b>	3/8-inch 7x19 galvanized wire rope, snap hook at one end, counterweight, 30 feet long

### ROPE MATERIALS:

- 5/8-inch diameter, polyester/polypropylene rope
- 5/8-inch diameter, polyester rope
- 3/4-inch diameter, polyester/polypropylene rope
- 3/4-inch diameter polyester rope
- 5/16-inch diameter, 7x19 galvanized wire rope
- 3/8-inch diameter, 7x19 galvanized wire rope
- 12-mm diameter, nylon rope
- 12-mm diameter, polyester rope

## 1.0 APPLICATIONS

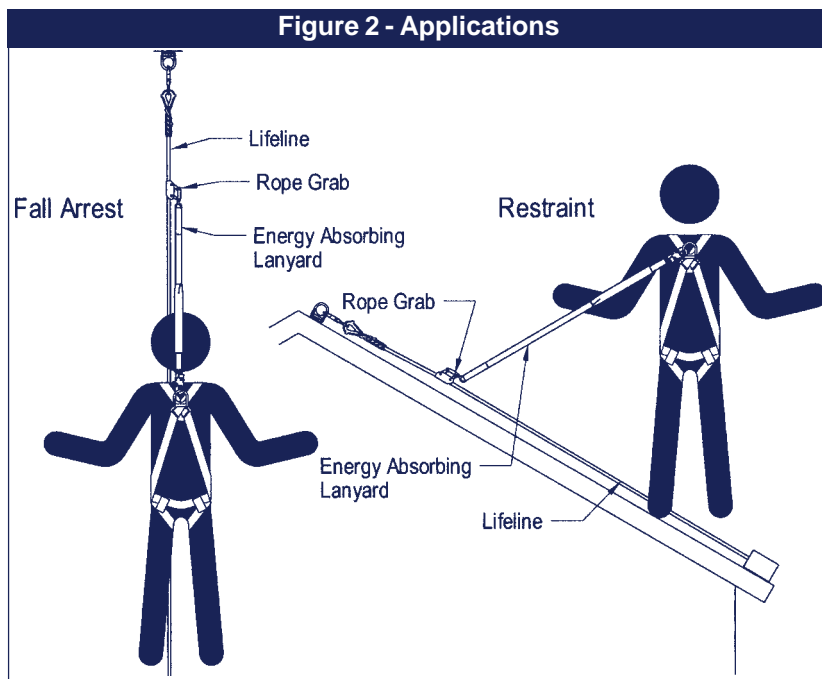
**1.1 PURPOSE:** Vertical lifelines and vertical lifeline subsystems are intended to be used as part of a personal fall arrest or restraint system. These lifelines and lifeline subsystems (with the exception of 3/8-inch wire rope) are not designed for use in horizontal lifeline systems. Applications include: Inspection work, construction, demolition, maintenance, oil production, confined space rescue, window washing. See Figure 2.

**A. FALL ARREST:** The lifeline or lifeline subsystem is used as part of a complete fall arrest system, which typically includes a lifeline, rope grab, lanyard, and full body harness. Maximum permissible free fall is six feet.

**B. RESTRAINT:** The lifeline or lifeline subsystem is used as part of a restraint system. Restraint systems typically include a full body harness and a lanyard to prevent the user from reaching a fall hazard (leading edge roof work). No vertical free fall permitted.

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

- A. CAPACITY:** This equipment is designed for use by persons with a combined weight (person, clothing, tools, etc.) of no more than 310 lbs. No more than one person may be connected to a single lifeline.
- B. FREE FALL:** Personal fall arrest systems used with these lifelines must be rigged to limit the free fall to six feet (according to ANSI Z359.1). Restraint systems must be rigged such that there is no possible vertical free fall. See subsystem manufacturer's instructions for more information.
- C. FALL CLEARANCE:** Ensure that adequate clearance exists in your fall path to prevent striking an object. The amount of clearance required is dependent on the type of connecting subsystem (rope grab, lanyard), the



anchorage location, and the amount of stretch in the lifeline. See subsystem manufacturer's instructions for more information.

**D. ENVIRONMENTAL HAZARDS:** Use of this equipment in areas where environmental hazards exist 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; high heat, caustic chemicals, corrosive environments, high voltage power lines, explosive or toxic gases, moving machinery, or sharp edges.

**E. COMPONENT COMPATIBILITY:** The lifelines must be used with DBI/SALA rope grabs only.

**F. TRAINING:** This equipment is intended to be used by persons trained in its correct application and use.

**1.3 APPLICABLE STANDARDS:** Refer to national standards, including ANSI Z359.1, and local, state, and federal (OSHA 1910.66, appendix C, 1926.500) requirements for more information on personal fall arrest systems and associated components.

## 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. See Table 1 for a list of lifeline materials and the model number of compatible equipment available from DBI/SALA.

**IMPORTANT:** The type of lifeline used is dependent upon the application and compatibility requirements of other system components. DBI/SALA rope grabs must be used with DBI/SALA lifelines.

Lifeline Material	Rope Grab Model Number						
	5001441	5000335	5001442	5001011	5006006	5000338	1224005
5/8" Polyester/Polypropylene	X	X					X
3/4" Polyester/Polypropylene			X				
5/8" Polyester	X	X					X
3/4" Polyester			X				
12 mm Nylon					X		
12 mm Polyester					X		
3/8" Wire Rope						X	
5/16" Wire Rope				X			

**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.

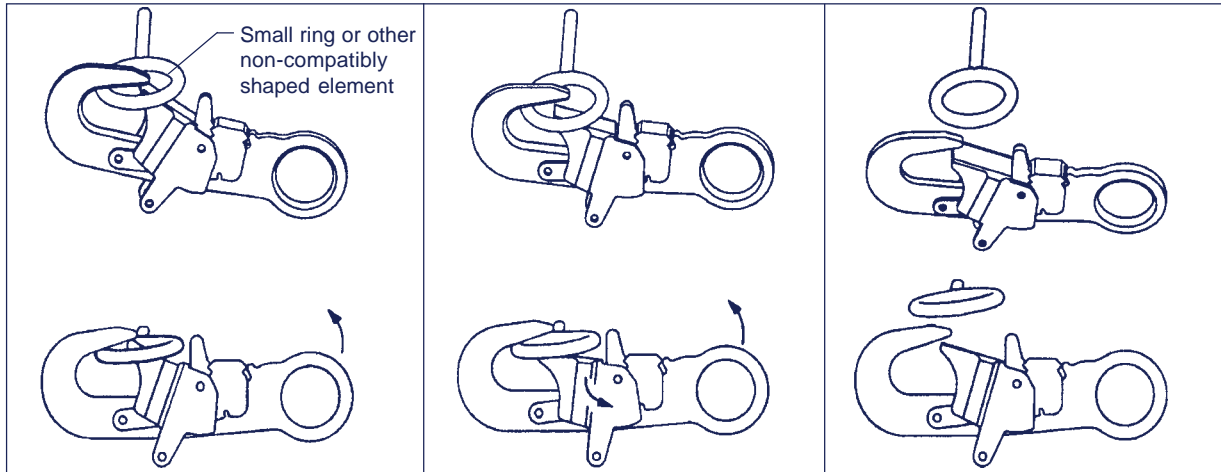
Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22kN). Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. See Figure 3. Connectors 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:** Only use self-locking snap hooks and carabiners with this equipment. Only use 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 4 for inappropriate connections. DBI/SALA snap hooks and carabiners should not be connected:

**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.



1. Force is applied to the snap hook.
2. The gate presses against the connecting ring.
3. The gate opens allowing the snap hook to slip off.

- 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.

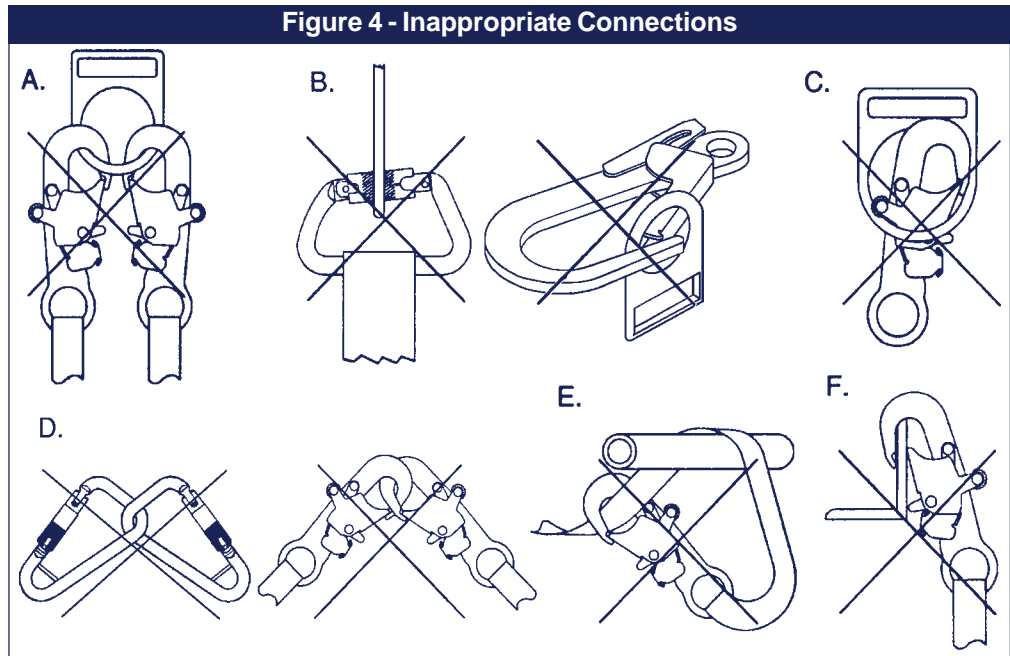
- C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor and without visual confirmation seems to be fully engaged to the anchor point.

- 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).

- 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.

**Figure 4 - Inappropriate Connections**



**2.4 ANCHORAGE**

**STRENGTH:** The anchorage strength required is dependent upon the application:

- A. **FALL ARREST:** Anchorages used for personal fall arrest systems must be capable of sustaining static loads in the directions permitted by the personal fall arrest system of at least: 3,600 lbs. with certification of a qualified person; or 5,000 lbs. without certification. See ANSI Z359.1 for certification definition. When more

than one personal fall arrest system is attached to an anchorage, the strengths stated above must be met at each anchorage location independently.

From OSHA 1926.500 and 1910.66: Anchorages used for attachment of personal fall arrest systems shall be independent of any anchorage being used to support or suspend platforms, and capable of supporting at least 5,000 lbs. per user attached, or be designed, installed, and used as part of a complete PFAS which maintains a safety factor of at least two, and is under the supervision of a qualified person.

- B. RESTRAINT:** The restraint system must be attached to an anchorage capable of sustaining static loads in the directions permitted by the restraint system of at least 3,000 lbs. When more than restraint system is attached to an anchorage, the strengths stated above must be met at each anchorage location independently.

### 3.0 OPERATION 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 hazards, 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 DBI/SALA Vertical Lifelines or subsystems.

- 3.1 BEFORE EACH USE** of this equipment, carefully inspect it according to steps listed in section 5.0 of this manual.
- 3.2 PLAN** your fall arrest or restraint system before using this equipment. Consider all factors that will affect your safety during use of this equipment. Consider the following points when planning your system:
  - A. ANCHORAGE:** Select a rigid anchorage point that is capable of sustaining the loads specified in section 2.3. For fall arrest applications, select anchorage locations that will minimize free fall and swing fall hazards. For restraint applications, locate the anchorages such that no vertical free fall is possible.
  - B. FREE FALL:** To avoid increased free fall distance, do not work above the anchorage level. Rig personal fall arrest systems so that the free fall is limited to six feet (ANSI Z359.1). Rig restraint systems such that no vertical free fall is possible.
  - C. FALL ARREST FORCES:** The personal fall arrest system must limit fall arrest forces to 1,800 lbs. and deceleration distance must not exceed 42 inches. Do not use a body belt for fall arrest applications.
  - D. SWING FALLS:** See Figure 5. 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. Minimize swing falls by working as directly below the anchorage point as possible. Do not permit a swing fall if injury could occur.
  - E. FALL CLEARANCE:** Ensure sufficient clearance exists in your fall path to prevent striking an object during a fall. The clearance required is dependent upon the subsystem (rope grab and lanyard, rope grab and carabiner) and lifeline properties. Table 2 shows the approximate elongation for new DBI/SALA lifelines in dry conditions. The elongation specified is for an applied static load of 1,800 lbs. Wet ropes generally have more elongation than dry ropes. Allow for additional elongation in wet or humid conditions. Lifeline elongation must be considered when estimating fall clearance.
  - F. SHARP EDGES:** Avoid working where your lifeline, lifeline subsystem, or other system components will be in contact with, or abrade against, unprotected sharp edges. Do not loop a lifeline around small diameter structural members. If working with this equipment around sharp edges is unavoidable, provide protection by using a heavy pad over the exposed sharp edge.



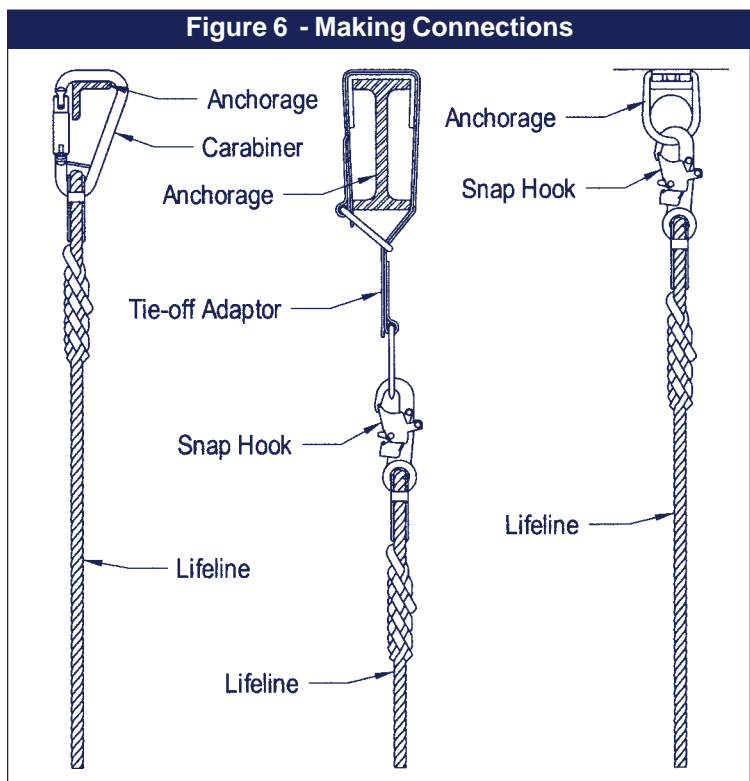
Table 2 - Lifeline Elongation								
Lifeline Material	Lifeline Length							
	25 feet	50 feet	75 feet	100 feet	150 feet	200 feet	250 feet	300 feet
5/8" Polyester/Polypropylene	2.5 feet	5 feet	7.5 feet	10 feet	15 feet	20 feet	25 feet	30 feet
3/4" Polyester/Polypropylene	3 feet	6 feet	9 feet	12 feet	18 feet	24 feet	30 feet	36 feet
5/8" Polyester	2.75 feet	5.5 feet	8.25 feet	11 feet	16.5 feet	22 feet	27.5 feet	33 feet
3/4" Polyester	3.5 feet	7 feet	10.5 feet	14 feet	21 feet	28 feet	35 feet	42 feet
12-mm Nylon	6.75 feet	13.5 feet	20.25 feet	27 feet	40.5 feet	54 feet	67.5 feet	81 feet
12-mm Polyester	6.25 feet	12.5 feet	18.75 feet	25 feet	37.5 feet	50 feet	62.5 feet	75 feet
3/8" Wire Rope	---	---	---	0.43 feet	0.65 feet	0.86 feet	1.07 feet	1.29 feet
5/16" Wire Rope	---	---	---	0.5 feet	0.75 feet	1.0 feet	1.25 feet	1.5 feet

**G. RESCUE:** The employer must have a rescue plan and the ability to implement it.

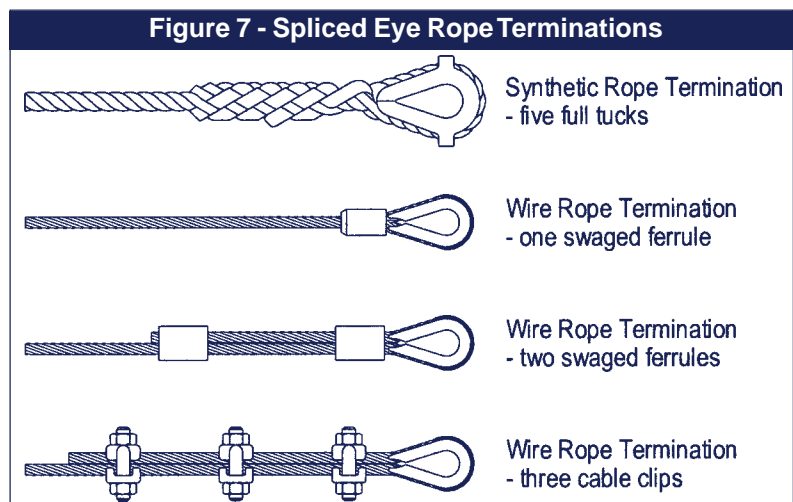
**H. AFTER A FALL:** Components which have been subjected to fall arrest forces must be removed from service and destroyed.

**I. GENERAL USE CONSIDERATIONS:** Avoid working where your lifeline may cross or tangle with that of another worker. Do not allow your lifeline to pass under your arms or between your feet.

**3.3 MAKING CONNECTIONS:** See Figure 6. When using a hook to connect components or to an anchorage, ensure roll-out cannot occur. Self locking snap hooks and carabiners should be used to reduce the possibility of roll-out. Do not tie a knot in the lifeline. Do not attach a snap hook directly to a horizontal lifeline. Follow manufacturer's instructions for each component of the system.



**A. CONNECTING TO AN ANCHORAGE OR ANCHORAGE CONNECTOR:** Lifelines or lifeline subsystems supplied with connecting hooks should be connected to the anchorage in accordance with section 3.3. Lifelines supplied without hooks must have a hook or anchorage connector spliced directly to the lifeline. See Figure 7. Connectors attached to synthetic rope lifelines must be attached using a spliced eye termination and thimble. The splice must be made with five tucks. Connectors attached to wire rope lifelines must be attached using a formed eye termination with a thimble. Acceptable methods of forming spliced eyes are: Spliced eye with one swaged ferrule; Return eye with a minimum of two swaged ferrules; Return eye with a minimum of three wire rope clips. The connection must support 5,000 lbs. Follow manufacturer's instructions when forming eye with swaged ferrules or wire rope clips.



**IMPORTANT:** Knots must not be used for load bearing end terminations. See ANSI Z359.1. Some knots reduce lifeline strength fifty percent or more.

**IMPORTANT:** If the user splices or forms end terminations, proper procedures must be followed to ensure compatibility in size, shape, and strength. DBI/SALA is not responsible for subsystems not manufactured by DBI/SALA.

**B. CONNECTING ROPE GRAB TO LIFELINE:** Follow the rope grab manufacturer's instructions for connecting the rope grab to the lifeline. DBI/SALA rope grabs must be used with these lifelines.

**3.4 AFTER USE** of this equipment, clean and store according to section 6.0 of this manual.

## **4.0 TRAINING**

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

**WARNING:** Training must be conducted without exposing the trainee to a fall hazard. Training should be repeated on a periodic basis.

## **5.0 INSPECTION**

### **5.1 FREQUENCY:**

- **Before Each Use** inspect according to steps listed in section 5.2.
- **This Equipment** must be inspected according to steps listed in section 5.2 by a competent person, other than the user, at least annually. Record the results of each inspection in the inspection and maintenance log in section 9.0. NOTE: Cal/OSHA requires personal fall arrest systems be inspected prior to each use for wear, damage, and defects and inspected by a competent person\* at least twice a year, in accordance with the manufacturer's recommendations, with inspection dates documented.

*\*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.*

**WARNING:** If this equipment has been subjected to fall arrest forces remove from service and destroy.

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

### **5.2 INSPECTION STEPS:**

**Step 1.** Inspect lifeline hardware (snap hooks, ferrules, thimbles, etc.). These items must not be damaged, broken or distorted. These items must be free of sharp edges, burrs, cracks, worn parts, or corrosion. Hook gates must move freely and lock upon closing.

**Step 2.** Inspect the lifeline per the following:

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

**WIRE ROPE:** Inspect entire length of wire rope. Always wear protective gloves when inspecting wire rope. Inspect for broken wires by passing cable through gloved hands, flexing the rope every few inches to expose breaks. Broken wires can be removed by bending the wire back and forth parallel to the rope

length. Do not pull broken wires out of the rope. Replace the wire rope if there are six or more randomly distributed broken wires in one lay; or three or more broken wires in one strand in one lay. A “lay” of wire rope is the length of wire rope it takes for a strand (the larger group of wires) to complete one revolution along the rope. Replace the wire rope if there are broken wires within one inch of the swages at either end of the assembly. Wire rope should be free of corrosion.

**Step 3.** Inspect labels. All labels must be present and fully legible. See section 8.0.

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

**Step 5.** Record the inspection date and results in the inspection log in section 9.0.

**5.3** If inspection reveals an unsafe or defective condition, remove equipment from service and destroy, or contact an authorized service center for repair.

## **6.0 MAINTENANCE, SERVICING, STORAGE**

**6.1** Clean the lifeline with water and a mild detergent. Wipe hardware dry with a clean, dry cloth and hang to air dry. Do not force dry with heat. An excessive build-up of dirt, paint, etc. may prevent the lifeline from working properly, and in severe cases, weaken the rope.

**6.2** Additional maintenance and servicing procedures must be completed by and authorized service center. Authorization must be in writing. Do not disassemble this equipment.

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

## **7.0 SPECIFICATIONS**

### **7.1 LIFELINE SPECIFICATIONS:**

\* The 12-mm diameter lifelines do not meet ANSI Z359.1 requirements.

<b>Table 3 - Lifeline Specifications</b>	
<b>Lifeline Material</b>	<b>Tensile Strength</b>
5/8-inch diameter, polyester/polypropylene blend, three-strand rope	7,000 lbs.
3/4-inch diameter, polyester/polypropylene blend, three-strand rope	8,820 lbs.
5/8-inch diameter, polyester, three-strand rope	8,500 lbs.
3/4-inch diameter, polyester, three-strand rope	12,000 lbs.
12-mm diameter nylon rope *	6,614 lbs.
12-mm diameter polyester rope *	5,004 lbs.
3/8-inch diameter, galvanized wire rope	14,400 lbs.
5/16-inch diameter galvanized wire rope	9,800 lbs.
5/8-inch diameter nylon static kernmantle rope	12,000 lbs.

### **7.2 HARDWARE SPECIFICATIONS:**

Snap Hook: Drop forged, alloy steel self locking snap hook, 5,000 lbs. tensile strength.



## 8.0 LABELING

8.1 The following labels must be present and fully legible:

LENGTH: \_\_\_\_\_ FT      MATERIAL:  POLYESTER     WIRE ROPE  
 RH-4051-1       NYLON             POLYPROPYLENE/  
 MFRD/LOT NO:      MODEL NO:            POLYESTER BLEND

DIA:  3/8"     1/2"     5/8"     3/4"     \_\_\_\_\_

DBI/SALA LIFELINES MEET \_\_\_\_\_  
 ANSI Z359.1-1992, AND OSHA REQUIREMENTS  
 EXCEPT AS NOTED BELOW.

1/2" DIA OR SMALLER SYNTHETIC ROPE LIFELINES  
 AND 1/4" DIA OR SMALLER WIRE ROPE LIFELINES  
 DO NOT MEET \_\_\_\_\_ OR ANSI  
 Z359.1-1992 REQUIREMENTS.

CAP.: 310 LBS. MAX.      MADE IN THE U.S.A.

SERIAL NO.      INSTRUCTION LOG      YEAR

05	04	03	02	01	00
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**▲ WARNING**

MANUFACTURER'S INSTRUCTIONS AND WARNINGS SUPPLIED WITH THIS PRODUCT AT TIME OF SHIPMENT MUST BE FOLLOWED. MAKE ONLY COMPATIBLE CONNECTIONS. AVOID LIFELINE CONTACT WITH SHARP OR ABRASIVE EDGES. SYNTHETIC MATERIALS NOT FLAME OR HEAT RESISTANT. INSPECT LIFELINE BEFORE EACH USE. DO NOT USE IF AN UNSAFE CONDITION IS FOUND. FAILURE TO HEED INSTRUCTIONS AND WARNINGS MAY RESULT IN SERIOUS INJURY OR DEATH. DO NOT REMOVE THIS LABEL.

DBI  
**SALA**

DBI/SALA  
 3965 PEPIN AVE.  
 RED WING, MN 55066  
 (800) 328-6146

DBI  
**SALA**

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MEETS OSHA, \_\_\_\_\_ AND ANSI Z359.1-1992  
 CAPACITY: 310 LBS MAX.

\* 1/2 & 12 = DIA. NYLON & POLYESTER  
 LIFELINES DO NOT MEET  
 ANSI Z359.1-1992

**9.0 INSPECTION AND MAINTENANCE LOG**

DATE OF MANUFACTURE: \_\_\_\_\_

MODEL NUMBER: \_\_\_\_\_

DATE PURCHASED: \_\_\_\_\_

INSPECTION DATE	INSPECTION ITEMS NOTED	CORRECTIVE ACTION	MAINTENANCE PERFORMED
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			
Approved By: _____			

This instruction applies to the following models:

1202701	1202757	1202813	1202868	1202923	1202979	1203119	1210400	3511004	5900161
1202702	1202759	1202814	1202869	1202924	1202980	1203120	1210450	3511005	5900162
1202703	1202760	1202815	1202870	1202925	1202981	1203121	1210500	3511006	5900163
1202704	1202761	1202816	1202871	1202926	1202982	1203122	1210800	3511007	5901000
1202705	1202762	1202817	1202872	1202927	1202983	1203123	1211000	3511008	5901001
1202706	1202763	1202818	1202873	1202928	1202984	1203124	1211030	3511009	5901002
1202707	1202764	1202819	1202874	1202929	1202985	1203125	1211050	3511010	5901003
1202708	1202765	1202820	1202876	1202930	1202986	1203126	1211075	3511011	5901004
1202709	1202766	1202821	1202877	1202931	1202987	1203127	1211100	3511012	5901005
1202710	1202767	1202822	1202878	1202933	1202988	1203128	1211120	3511013	5901006
1202711	1202768	1202823	1202879	1202934	1202989	1203129	1211125	3511014	5901007
1202712	1202769	1202824	1202880	1202935	1202990	1203130	1211127	3511015	5901008
1202713	1202770	1202825	1202881	1202936	1202991	1203131	1211150	3511016	5901009
1202714	1202771	1202826	1202882	1202937	1202992	1203132	1211170	3511017	5901010
1202715	1202772	1202827	1202883	1202938	1202993	1203133	1211200	3900071	5901011
1202716	1202773	1202828	1202884	1202939	1202994	1203134	1211250	5900110	5901012
1202717	1202774	1202829	1202885	1202940	1202995	1203135	1211300	5900111	5901013
1202718	1202775	1202830	1202886	1202941	1202996	1203136	1211350	5900112	5901014
1202719	1202776	1202831	1202887	1202942	1202997	1203137	1211400	5900113	5901015
1202720	1202777	1202832	1202888	1202943	1202998	1203138	1211500	5900114	5901016
1202721	1202778	1202833	1202889	1202944	1202999	1203139	1211800	5900115	5901018
1202722	1202779	1202834	1202890	1202945	1203011	1203140	1212006	5900116	5901019
1202723	1202780	1202837	1202891	1202946	1203012	1203142	1212015	5900117	5901020
1202724	1202781	1202838	1202892	1202947	1203013	1203143	1212025	5900118	5901021
1202725	1202782	1202839	1202893	1202948	1203020	1204001	1212027	5900119	5901022
1202726	1202784	1202840	1202894	1202950	1203021	1210001	1212030	5900120	5901023
1202727	1202785	1202841	1202895	1202951	1203022	1210002	1212040	5900121	5901024
1202729	1202786	1202842	1202896	1202952	1203023	1210010	1212050	5900122	5901025
1202730	1202787	1202843	1202897	1202953	1203024	1210012	1212070	5900123	5901026
1202731	1202788	1202844	1202898	1202954	1203025	1210020	1212075	5900124	5901027
1202732	1202789	1202845	1202899	1202955	1203040	1210025	1212080	5900125	5901028
1202733	1202790	1202846	1202900	1202956	1203045	1210030	1212100	5900126	5901029
1202734	1202791	1202847	1202901	1202957	1203080	1210035	1212120	5900127	5901030
1202735	1202792	1202848	1202902	1202958	1203085	1210050	1212125	5900128	5901031
1202736	1202793	1202849	1202903	1202959	1203100	1210055	1212150	5900129	5901032
1202737	1202794	1202850	1202904	1202960	1203101	1210060	1212200	5900130	5901033
1202738	1202795	1202851	1202905	1202961	1203102	1210075	1212210	5900131	5901034
1202739	1202796	1202852	1202906	1202962	1203103	1210085	1212300	5900132	5901035
1202740	1202797	1202853	1202907	1202963	1203104	1210090	1212400	5900133	6126023
1202741	1202798	1202854	1202908	1202964	1203105	1210100	1212500	5900134	6126025
1202742	1202799	1202855	1202909	1202965	1203106	1210120	1212610	5900135	6126050
1202743	1202800	1202856	1202910	1202966	1203107	1210125	1212611	5900136	6126100
1202744	1202801	1202857	1202911	1202967	1203108	1210140	1212612	5900137	6126113
1202745	1202802	1202858	1202912	1202968	1203109	1210150	1212613	5900138	6126175
1202746	1202803	1202859	1202913	1202969	1203110	1210160	1212614	5900139	6130004
1202749	1202804	1202860	1202914	1202970	1203111	1210180	1212615	5900150	6130005
1202750	1202806	1202861	1202915	1202971	1203112	1210184	1213300	5900151	6130010
1202751	1202807	1202862	1202917	1202972	1203113	1210200	1370000	5900152	6130011
1202752	1202808	1202863	1202918	1202973	1203114	1210250	3401000	5900153	6130012
1202753	1202809	1202864	1202919	1202974	1203115	1210300	3511000	5900154	6130013
1202754	1202810	1202865	1202920	1202976	1203116	1210310	3511001	5900155	6130014
1202755	1202811	1202866	1202921	1202977	1203117	1210320	3511002	5900156	6130015
1202756	1202812	1202867	1202922	1202978	1203118	1210350	3511003	5900160	6130016

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

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This instruction applies to the following models:

6130018	6130075	6130160	6130900	6140026	6140060	6140121	6140190	6140750
6130020	6130080	6130164	6131000	6140027	6140065	6140122	6140200	6140788
6130022	6130082	6130170	6132000	6140028	6140070	6140123	6140220	6140800
6130024	6130090	6130175	6133200	6140029	6140075	6140128	6140226	6140850
6130025	6130093	6130180	6140007	6140030	6140079	6140129	6140228	6140875
6130026	6130095	6130184	6140008	6140032	6140080	6140130	6140230	6140900
6130029	6130100	6130185	6140009	6140033	6140085	6140131	6140250	6140930
6130030	6130105	6130200	6140010	6140034	6140086	6140134	6140300	6141000
6130031	6130109	6130220	6140011	6140035	6140088	6140136	6140310	6141209
6130032	6130110	6130225	6140012	6140036	6140090	6140138	6140328	6141221
6130033	6130114	6130240	6140013	6140038	6140094	6140139	6140364	6141420
6130036	6130115	6130245	6140014	6140039	6140095	6140140	6140375	6141450
6130038	6130120	6130250	6140015	6140040	6140097	6140143	6140400	6141480
6130040	6130125	6130275	6140016	6140041	6140099	6140144	6140440	6141650
6130041	6130130	6130300	6140017	6140042	6140100	6140146	6140500	6141700
6130044	6130131	6130350	6140018	6140044	6140104	6140150	6140506	6141730
6130050	6130140	6130400	6140019	6140046	6140105	6140151	6140510	6141742
6130054	6130142	6130427	6140020	6140049	6140111	6140160	6140535	6141800
6130060	6130144	6130450	6140021	6140050	6140113	6140166	6140550	6142000
6130064	6130145	6130500	6140022	6140051	6140114	6140174	6140560	6142030
6130066	6130147	6130600	6140023	6140052	6140115	6140175	6140600	6142300
6130070	6130150	6130760	6140024	6140055	6140117	6140180	6140674	6142720
6130074	6130154	6130850	6140025	6140059	6140120	6140184	6140700	6142800

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



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Form: 5902127  
Rev: H