



The Ultimate in Fall Protection

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**

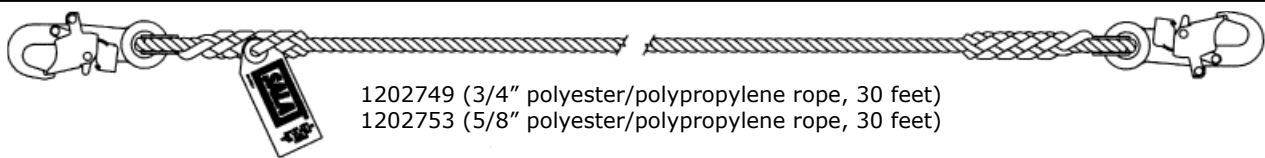
This manual is intended to meet the Manufacturer's Instructions as required by ANSI Z359.1 & CSA Z259.2.1 and should be used as part of an employee training program as required by OSHA.

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.

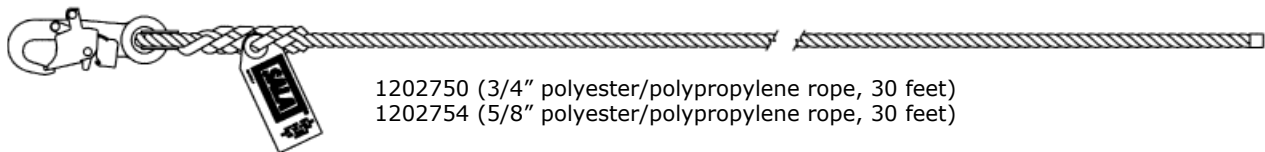
WARNING: IMPORTANT: If you have questions on the use, care, or suitability of this equipment for your application, contact DBI/SALA.

WARNING: Record the product identification information from the ID label in the inspection and maintenance log in Section 10 of this manual.

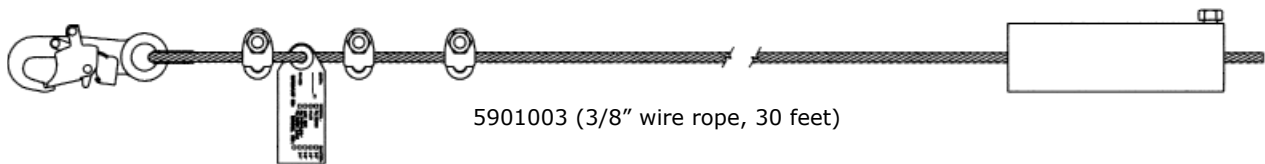
Figure 1 - Vertical Lifeline Assemblies



1202749 (3/4" polyester/polypropylene rope, 30 feet)
1202753 (5/8" polyester/polypropylene rope, 30 feet)



1202750 (3/4" polyester/polypropylene rope, 30 feet)
1202754 (5/8" polyester/polypropylene rope, 30 feet)



5901003 (3/8" wire rope, 30 feet)

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:**

1202749: 3/4-inch polyester/polypropylene rope, snap hook at each end, 30 feet long

1202750: 3/4-inch polyester/polypropylene rope, snap hook at one end, 30 feet long

1202753: 5/8-inch polyester/polypropylene rope, snap hook at each end, 30 feet long

1202754: 5/8-inch polyester/polypropylene rope, snap hook at one end, 30 feet long

5901003 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

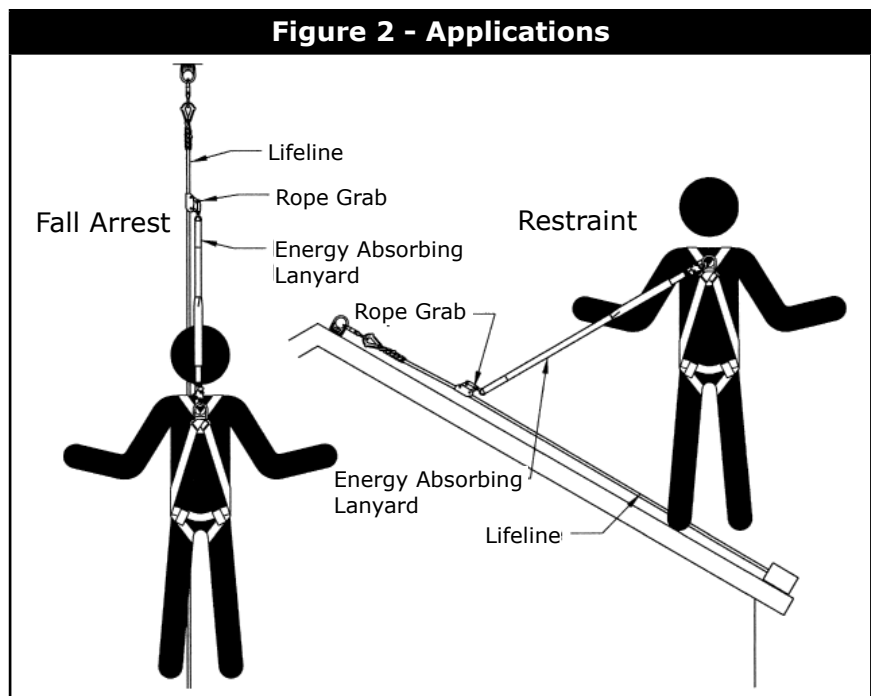
12-mm diameter, polyester rope

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 6 ft. (1.8 m).

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 (141 kg). 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 6 ft. (1.8 M) (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 (.0, .1, .2, .3, and .4) family of standards on fall protection, ANSI A10.32, CSA Z259.2.1, 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. 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.

Table 1 - Component Compatibility							
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.

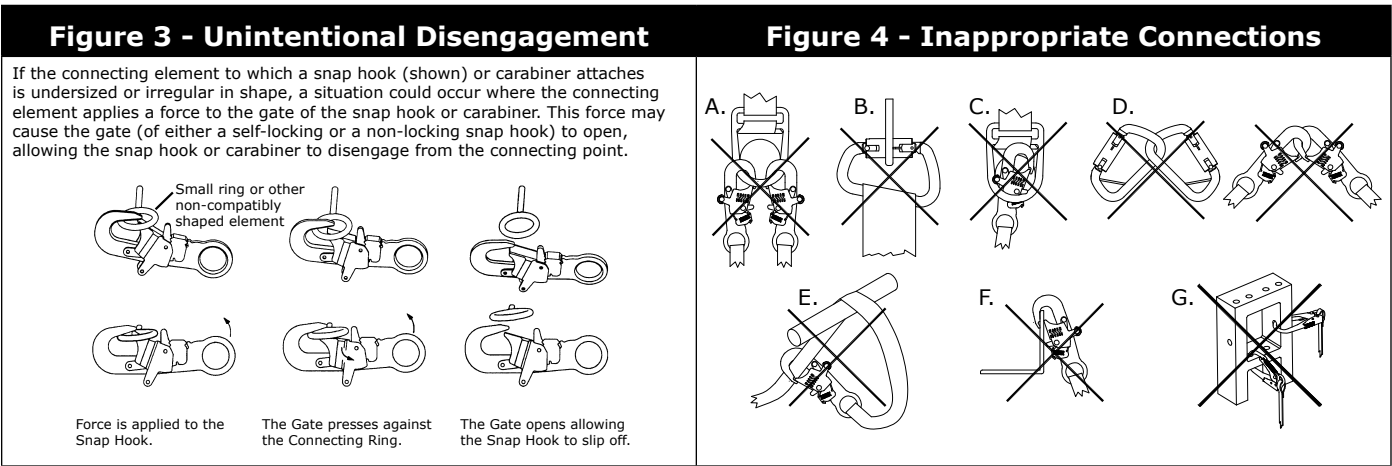
2.3 MAKING CONNECTIONS: Only use self-locking snap hooks and carabiners with this equipment. Only use connectors that are suitable to each application. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed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

- 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.
- G.** In a manner that does not allow the connector to align properly while under load.



2.4 ANCHORAGE STRENGTH: The anchorage strength required is dependent upon the application:

- A. FALL ARREST:** In accordance with ANSI Z359.1, 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:
 - 5,000 pounds (22.2 kN) for non-certified anchorages; or,
 - Two times the maximum arresting force for certified anchorages.

When more than one fall arrest systems is attached to an anchorage, the applicable strength requirement should be modified by the number of systems attached to the anchorage.

Per OSHA 1926.500 and 1910.66: Anchorages used for attachment of personal fall arrest systems shall be independent of any anchorage used to support or suspend platforms and capable of supporting at least 5,000 pounds (22.2 kN) per attached user; 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: 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:

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

When more than one fall arrest systems is attached to an anchorage, the applicable strength requirement should be modified by the number of systems attached to the anchorage.

3.0 OPERATION AND USE

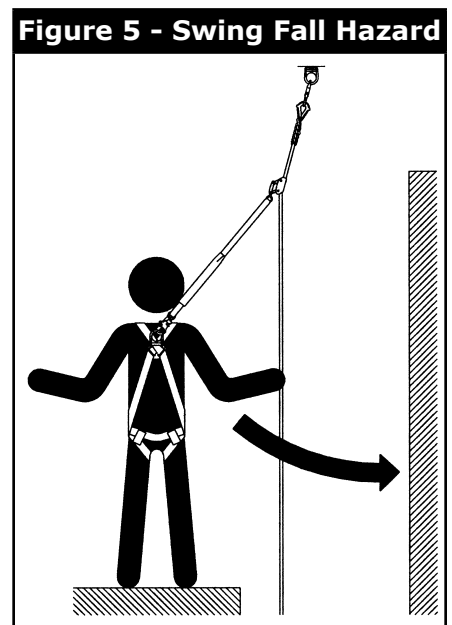
WARNING: Do not alter or intentionally misuse this equipment. Consult DBI/SALA when using this equipment in combination with components or subsystems other than those described in this manual. Some subsystem and component combinations may interfere with the operation of this equipment. Use caution when 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 6 ft. (1.8 m) (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 (8 kN). and deceleration distance must not exceed 42 in. (1 m). 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 (8 kN). 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.

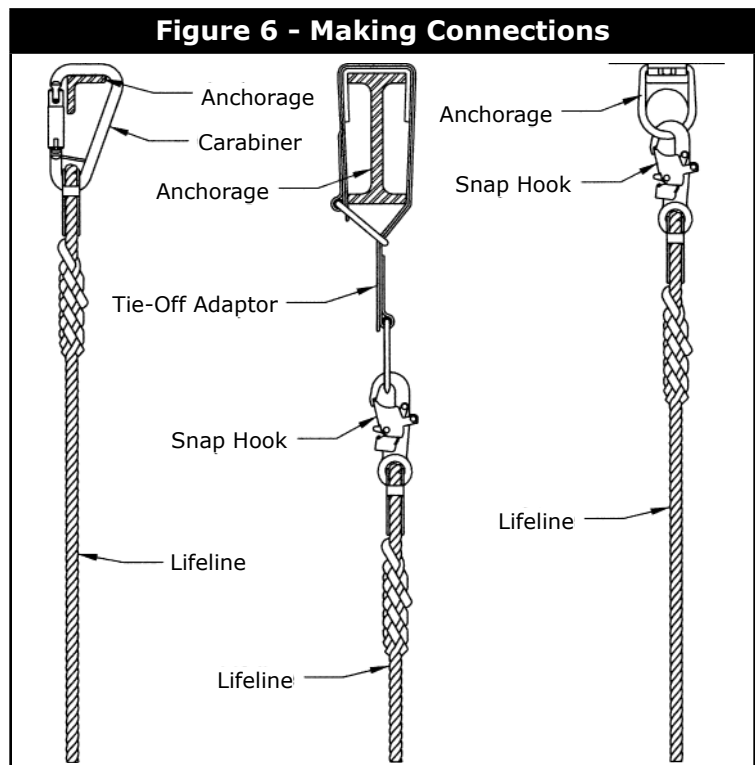
Table 2 - Lifeline Elongation

Lifeline Material	Lifeline Length ft. (m)							
	25 (7.6)	50 (15.2)	75 (22.9)	100 (30.5)	150 (45.7)	200 (61.0)	250 (76.2)	300 (91.4)
5/8" Polyester/Polypropylene	2.5 (0.8)	5 (1.5)	7.5 (2.3)	10 (3.0)	15 (4.6)	20 (6.1)	25 (7.6)	30 (9.1)
3/4" Polyester/Polypropylene	3 (0.9)	6 (1.8)	9 (2.7)	12 (3.7)	18 (5.5)	24 (7.3)	30 (9.1)	36 (11)
5/8" Polyester	2.75 (0.8)	5.5 (1.7)	8.25 (2.5)	11 (3.4)	16.5 (5.0)	22 (6.7)	27.5 (8.4)	33 (10.1)
3/4" Polyester	3.5 (1.1)	7 (2.1)	10.5 (3.2)	14 (4.3)	21 (6.4)	28 (8.5)	35 (10.7)	42 (12.8)
12 mm Nylon	6.75 (2.1)	13.5 (4.1)	20.25 (6.2)	27 (8.2)	40.5 (12.3)	54 (16.5)	67.5 (20.6)	81 (24.7)
12 mm Polyester	6.25 (1.9)	12.5 (3.8)	18.75 (5.7)	25 (7.6)	37.5 (11.4)	50 (15.2)	62.5 (19.1)	75 (22.9)
3/8" Wire Rope	—	—	—	0.43 (0.13)	0.65 (0.2)	0.86 (0.26)	1.07 (0.33)	1.29 (0.39)
5/16" Wire Rope	—	—	—	0.5 (0.2)	0.75 (0.23)	1 (0.3)	1.25 (0.38)	1.5 (0.45)

- 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.
- 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.

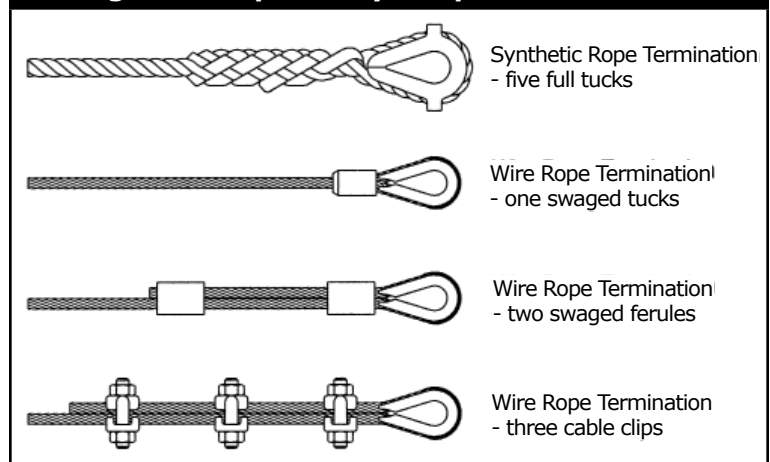
- A. CONNECTING TO AN ANCHORAGE OR ANCHORAGE CONNECTOR:** Lifelines or lifeline subsystems supplied with connecting hooks should be connected to the anchorage in accordance with section 3.3. Lifelines supplied without hooks must have a hook or anchorage connector spliced directly to the lifeline. See 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 (22.2 kN). 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.

Figure 7 - Spliced Eye Rope Terminations



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 10. NOTE: Cal/OSHA requires personal fall arrest systems be inspected prior to each use for wear, damage, and defects and inspected by a competent person¹ at least twice a year, in accordance with the manufacturer's recommendations, with inspection dates documented.

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.

¹ 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.

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 9.

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 10.

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 an 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.

Table 3 - Lifeline Specifications	
Lifeline Material	Tensile Strength
5/8" Diameter, Polyester/Polypropylene blend, 3-Strand Rope	7,000 lbs. (31.14 kN)
3/4" Diameter, Polyester/Polypropylene blend, 3-Strand Rope	8,820 lbs. (39.23 kN)
5/8" Diameter, Polyester, 3-Strand Rope	8,500 lbs. (37.81 kN)
3/4" Diameter, Polyester, 3-Strand Rope	12,000 lbs. (53.38 kN)
12 mm Diameter, Nylon Rope *	6,614 lbs. (29.42 kN)
12 mm Diameter, Polyester Rope *	5,004 lbs. (22.26 kN)
3/8" Diameter, Galvanized Wire Rope	14,400 lbs. (65.05 kN)
5/16" Diameter, Galvanized Wire Rope	9,800 lbs. (43.59 kN)
5/8" Diameter, Nylon Static Kernmantle Rope	12,000 lbs. (53.38 kN)
* - 12 mm Lifelines do not meet ANSI Z359.1 requirements.	

7.2 HARDWARE SPECIFICATIONS:

Snap Hook: Drop forged, alloy steel self locking snap hook, 5,000 lbs (22.2 kN). tensile strength.

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.

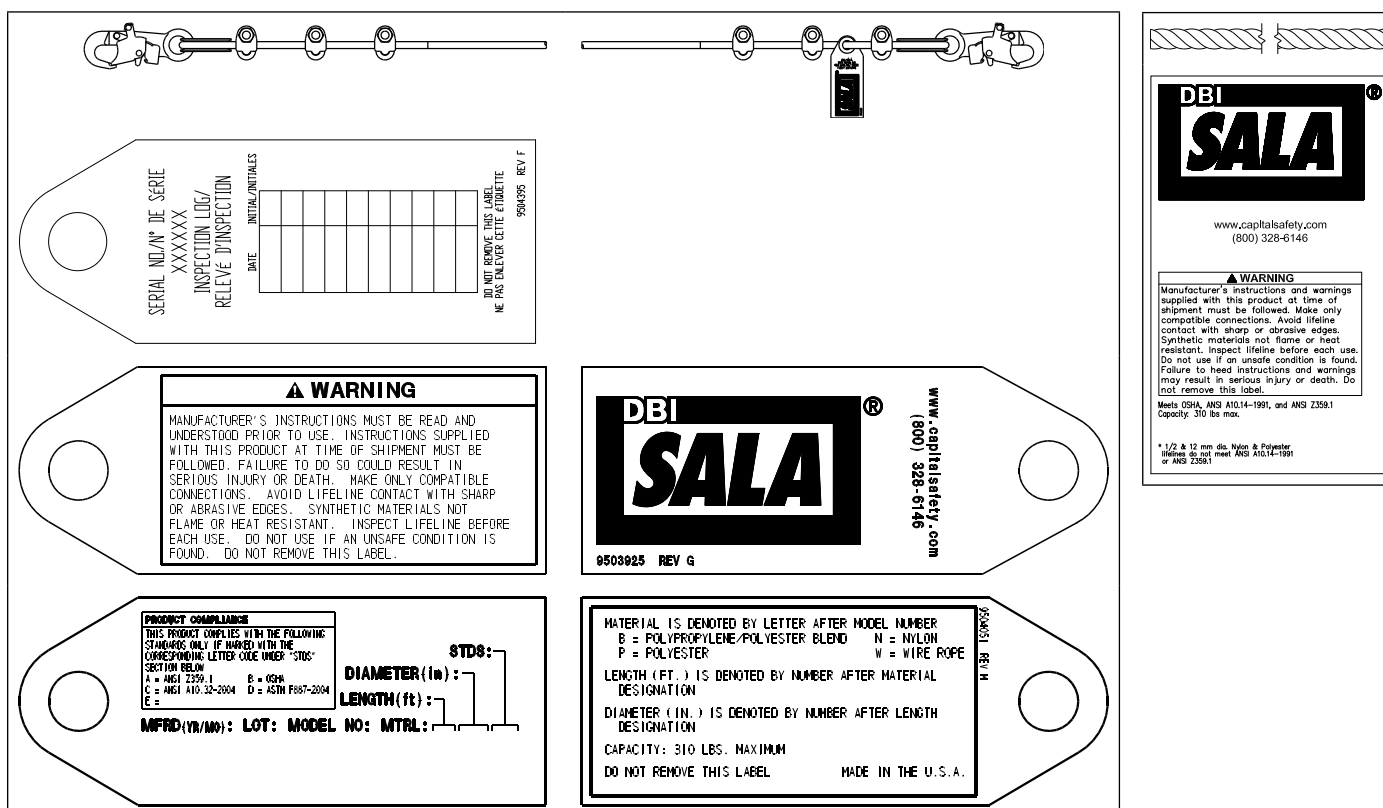
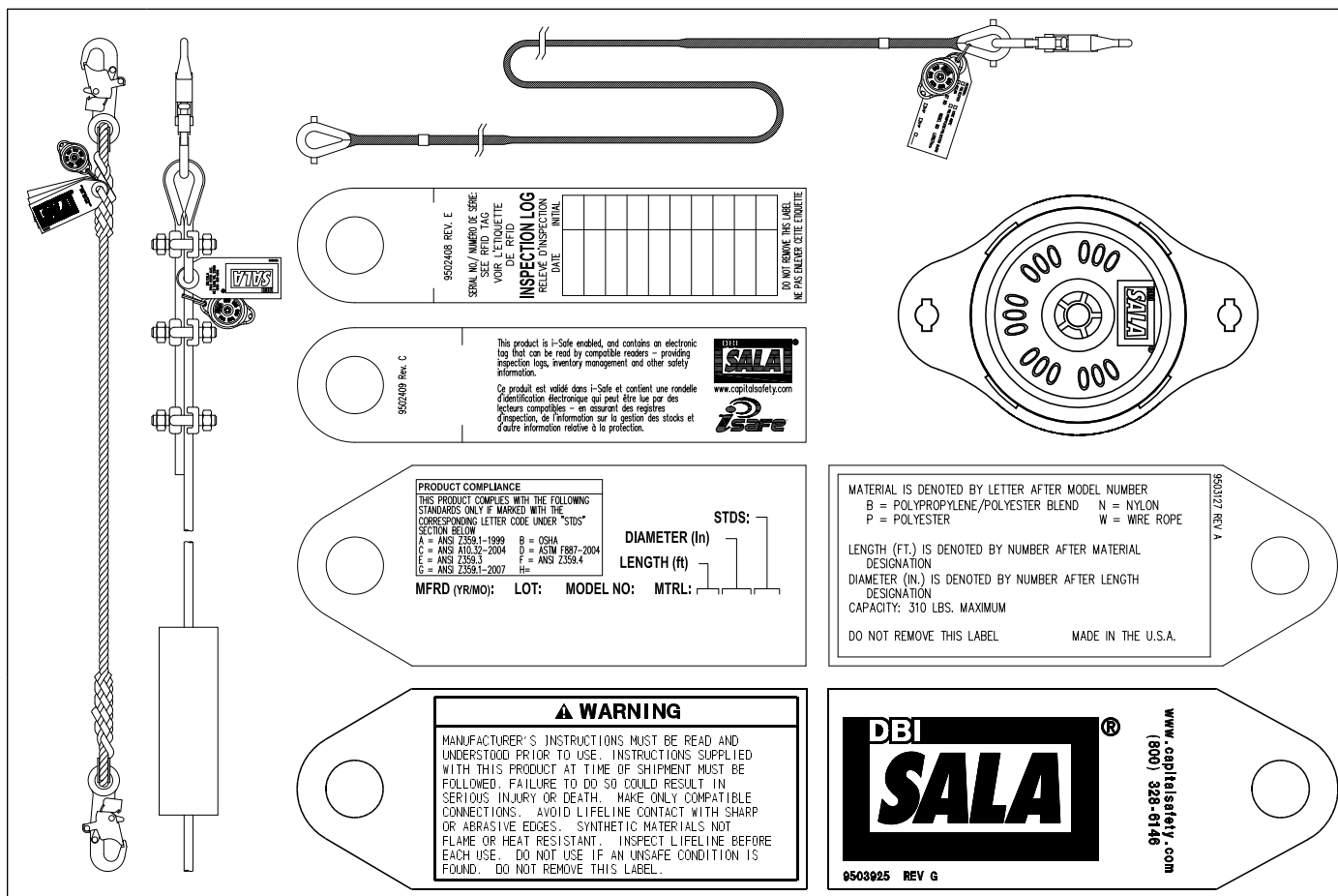
Qualified Person: A person with a recognized degree or professional certificate and with extensive knowledge, training, and experience in the fall protection and rescue field who is capable of designing, analyzing, evaluating and specifying fall protection and rescue systems to the extent required by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

The following labels must be present and fully legible:

9.1 ANSI Products:



[illegible]

10.0 INSPECTION AND MAINTENANCE LOG

SERIAL NUMBER:			
MODEL NUMBER:			
DATE PURCHASED:			DATE OF FIRST USE:

[illegible]

10.0 INSPECTION AND MAINTENANCE LOG

SERIAL NUMBER:			
MODEL NUMBER:			
DATE PURCHASED:		DATE OF FIRST USE:	

[illegible]

This instruction applies to the following models:

1202702	1202772	1202842	1202903	1202974	1203133	1210015	1212400	5900163	6130029
1202703	1202773	1202842C	1202904	1202976	1203134	1210020	1212500	5900164	6130030
1202705	1202774	1202843	1202905	1202977	1203135	1210025	1212610	5900165	6130031
1202706	1202775	1202843C	1202906	1202978	1203136	1210030	1212611	5900166	6130032
1202707	1202775C	1202844	1202907	1202979	1203137	1210035	1212612	5900167	6130033
1202708	1202776	1202844C	1202908	1202980	1203138	1210050	1212613	5900168	6130034
1202709	1202777	1202845	1202909	1202981	1203139	1210055	1212614	5901000	6130036
1202710	1202778	1202846	1202910	1202982	1203140	1210060	1212615	5901001	6130037
1202711	1202779	1202847	1202911	1202983	1203142	1210075	1213300	5901002	6130038
1202712	1202780	1202848	1202912	1202984	1203142C	1210085	1237800	5901003	6130040
1202713	1202781	1202849	1202912C	1202984C	1203143	1210090	3401000	5901004	6130041
1202714	1202782	1202850	1202913	1202985	1203144	1210100	3511000	5901005	6130044
1202715	1202784	1202851	1202914	1202986	1203145	1210120	3511001	5901006	6130045
1202716	1202785	1202852	1202915	1202987	1203146	1210125	3511002	5901007	6130050
1202717	1202786	1202853	1202915C	1202988	1203147	1210140	3511003	5901008	6130054
1202718	1202787	1202854	1202917	1202989	1203148	1210150	3511004	5901009	6130055
1202719	1202788	1202855	1202918	1202990	1203148C	1210160	3511005	5901010	6130060
1202719C	1202789	1202856	1202919	1202991	1203149	1210165	3511006	5901011	6130064
1202720	1202790	1202857	1202920	1202992	1203150	1210180	3511007	5901012	6130066
1202721	1202790C	1202858	1202920C	1202993	1203151	1210184	3511008	5901013	6130070
1202722	1202791	1202859	1202921	1202993C	1203152	1210200	3511009	5901014	6130074
1202723	1202792	1202860	1202922	1202994	1203153	1210250	3511010	5901015	6130075
1202724	1202793	1202861	1202923	1202995	1203154	1210300	3511011	5901016	6130080
1202725	1202794	1202862	1202924	1202996	1203155	1210310	3511012	5901018	6130082
1202726	1202794C	1202863	1202925	1202997	1203156	1210320	3511013	5901019	6130085
1202727	1202795	1202863C	1202926	1202998	1203157	1210350	3511014	5901020	6130090
1202729	1202795C	1202864	1202927	1202999	1203158	1210400	3511015	5901021	6130093
1202730	1202796	1202864C	1202928	1203011	1203159	1210450	3511016	5901022	6130095
1202731	1202797	1202865	1202929	1203012	1203160	1210500	3511017	5901023	6130100
1202732	1202798	1202866	1202930	1203013	1203161	1210625	3511018	5901024	6130105
1202732C	1202799	1202867	1202931	1203020	1203162	1210700	3511019	5901025	6130109
1202733	1202800	1202868	1202933	1203021	1203163	1210800	3511022	5901026	6130110
1202733C	1202801	1202869	1202934	1203022	1203164	1210850	3511023	5901027	6130114
1202734	1202802	1202870	1202935	1203023	1203165	1211000	3511024	5901028	6130115
1202735	1202804	1202870C	1202936	1203024	1203166	1211024	3900071	5901029	6130120
1202736	1202806	1202871	1202937	1203025	1203167	1211030	3900085	5901030	6130125
1202737	1202807	1202872	1202938	1203040	1203169	1211040	4195155	5901031	6130130
1202738	1202807C	1202873	1202938C	1203041	1203170	1211050	5900110	5901032	6130131
1202739	1202808	1202874	1202939	1203045	1203171	1211060	5900111	5901033	6130140
1202740	1202808C	1202876	1202940	1203080	1203172	1211075	5900112	5901034	6130142
1202740C	1202809	1202877	1202941	1203085	1203173	1211090	5900113	5901035	6130144
1202741	1202810	1202878	1202942	1203100	1203174	1211100	5900114	5901037	6130145
1202742	1202811	1202878C	1202943	1203101	1203175	1211120	5900115	5901038	6130147
1202742C	1202812	1202879	1202944	1203102	1203176	1211125	5900116	5901039	6130150
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1202744	1202814	1202880	1202946	1203104	1203178	1211150	5900118	6126023	6130160
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1202751	1202819	1202885	1202952	1203109	1203183C	1211350	5900124	6126100	6130180
1202752	1202820	1202886	1202953	1203110	1203184	1211400	5900125	6126113	6130184
1202753	1202821	1202887	1202954	1203111	1203185	1211500	5900126	6126165	6130185
1202753C	1202821C	1202888	1202955	1203112	1203186	1211800	5900127	6126175	6130196
1202754	1202822	1202889	1202956	1203113	1203188	1211835	5900128	6126196	6130200
1202754C	1202823	1202890	1202957	1203114	1203189	1212006	5900129	6126200	6130220
1202755	1202823C	1202890C	1202958	1203115	1203190	1212015	5900130	6126248	6130225
1202756	1202824	1202891	1202959	1203116	1203191	1212025	5900131	6130004	6130230
1202757	1202825	1202891C	1202960	1203117	1203192	1212027	5900132	6130005	6130240
1202759	1202826	1202892	1202961	1203119	1203193	1212030	5900133	6130010	6130245
1202760	1202827	1202892C	1202962	1203120	1203194	1212040	5900134	6130011	6130250
1202761	1202828	1202893	1202963	1203121	1203195	1212050	5900135	6130012	6130275
1202762	1202829	1202894	1202964	1203122	1203196	1212070	5900137	6130013	6130280
1202763	1202830	1202895	1202965	1203123	1203197	1212075	5900138	6130014	6130300
1202764	1202831	1202896	1202965C	1203124	1203198	1212080	5900139	6130015	6130330
1202765	1202832	1202897	1202966	1203125	1203199	1212100	5900152	6130016	6130340
1202766	1202833	1202898	1202967	1203126	1203200	1212120	5900153	6130018	6130350
1202767	1202834	1202899	1202968	1203127	1203201	1212125	5900154	6130019	6130375
1202767C	1202837	1202899C	1202969	1203128	1204100	1212150	5900155	6130020	6130400
1202768	1202838	1202900	1202970	1203129	1210001	1212180	5900156	6130022	6130427
1202769	1202839	1202900C	1202971	1203130	1210002	1212200	5900160	6130024	6130450
1202770	1202840	1202901	1202972	1203131	1210010	1212210	5900161	6130025	6130454
1202771	1202841	1202902	1202973	1203132	1210012	1212300	5900162	6130026	6130500

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

This instruction applies to the following models:

6130550	6140013	6140030	6140051	6140095	6140123	6140160	6140333	6140650	6141420
6130600	6140014	6140031	6140052	6140097	6140125	6140166	6140350	6140674	6141450
6130700	6140015	6140032	6140055	6140099	6140128	6140174	6140364	6140700	6141480
6130730	6140016	6140033	6140059	6140100	6140129	6140175	6140375	6140720	6141600
6130760	6140017	6140034	6140060	6140102	6140130	6140180	6140396	6140750	6141650
6130850	6140018	6140035	6140065	6140104	6140131	6140184	6140400	6140788	6141700
6130900	6140019	6140036	6140070	6140105	6140134	6140190	6140411	6140800	6141730
6131000	6140020	6140037	6140074	6140108	6140136	6140200	6140440	6140820	6141742
6131200	6140021	6140038	6140075	6140109	6140138	6140204	6140450	6140850	6141800
6132000	6140022	6140039	6140077	6140111	6140139	6140220	6140500	6140875	6141965
6133200	6140023	6140040	6140079	6140113	6140140	6140226	6140506	6140900	6142000
6140007	6140024	6140041	6140080	6140114	6140143	6140228	6140510	6140930	6142030
6140008	6140025	6140042	6140085	6140115	6140144	6140230	6140535	6141000	6142300
6140009	6140026	6140044	6140086	6140117	6140146	6140250	6140550	6141200	6142400
6140010	6140027	6140046	6140088	6140120	6140150	6140300	6140560	6141209	6142720
6140011	6140028	6140049	6140090	6140121	6140151	6140310	6140600	6141221	6142800
6140012	6140029	6140050	6140094	6140122	6140152	6140328	6140603	6141300	

LIMITED LIFETIME WARRANTY

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CSG USA & Latin America

3833 SALA Way
Red Wing, MN 55066-5005
Toll Free: 800.328.6146
Phone: 651.388.8282
Fax: 651.388.5065
solutions@capitalsafety.com

CSG Canada

260 Export Boulevard
Mississauga, ON L5S 1Y9
Phone: 905.795.9333
Toll-Free: 800.387.7484
Fax: 888.387.7484
info.ca@capitalsafety.com

CSG Northern Europe

5a Merse Road
North Moons, Moat
Reditch, Worcestershire, UK
B98 9HL
Phone: + 44 (0)1527 548 000
Fax: + 44 (0)1527 591 000
csgne@capitalsafety.com

**CSG EMEA
(Europe, Middle East, Africa)**

Le Broc Center
Z.I. 1ère Avenue
5600 M B.P. 15 06511
Carros
Le Broc Cedex
France
Phone: + 33 4 97 10 00 10
Fax: + 33 4 93 08 79 70
information@capitalsafety.com

CSG Australia & New Zealand

95 Derby Street
Silverwater
Sydney NSW 2128
AUSTRALIA
Phone: +(61) 2 8753 7600
Toll-Free : 1 800 245 002 (AUS)
Toll-Free : 0800 212 505 (NZ)
Fax: +(61) 2 87853 7603
sales@capitalsafety.com.au

CSG Asia

Singapore:
16S, Enterprise Road
Singapore 627666
Phone: +65 - 65587758
Fax: +65 - 65587058
inquiry@capitalsafety.com

Shanghai:

Rm 1406, China Venturetech Plaza
819 Nan Jing Xi Rd,
Shanghai 200041, P R China
Phone: +86 21 62539050
Fax: +86 21 62539060

www.capitalsafety.com



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