



Supplemental Instruction for:
Ultra-Lok Arc Flash SRLs
Models: 3103175/3103175C, 3103275/3103275C

SUPPLEMENTAL USER INSTRUCTION MANUAL

ULTRA-LOK ARC FLASH SRLS

*Use this Supplemental Instruction with
Self Retracting Lifelines User Instruction Manual 5902101.*

This supplement includes additional or revised information for the following sections: Descriptions, 1.0 Applications, 5.0 Inspection, 7.0 Specifications, 9.0 Labeling.

DESCRIPTIONS

ULTRA-LOK® ARC FLASH WEB STYLE SELF RETRACTING LIFELINES: Includes swivel eye anchorage, self-locking snap hook, and 1 inch (2.5 cm) wide Kevlar/Nomex web lifeline in lengths of 11 feet (3.4 m) and 20 feet (6.1 m). See Figure 1.

1.0 APPLICATIONS

1.1 PURPOSE: DBI-SALA self retracting lifelines (SRL) are components in personal fall arrest systems (PFAS) where fall hazards exist. Such systems typically include a full body harness, anchorage connector (i.e. carabiner) and the SRL. SRLs are to be used in situations where worker mobility and fall protection is needed (inspection work, general construction, maintenance work, oil production, confined space work, etc.). Some of the SRLs covered in this manual were designed for use in specific work applications. Table 1 identifies application specific SRLs and their intended work environments.

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

- E. CAPACITY:** The SRL is for use by persons with a combined weight (person, clothing, tools, etc.) of 75 lbs (34 kg). minimum and 310 lbs (141kg) maximum. No more than one person can connect to an SRL.

NOTE: 11 ft. (3.35m) Ultra-Lok web models (3103107, 3103108, 3103175) have a combined maximum capacity of 420 lbs (191 kg)

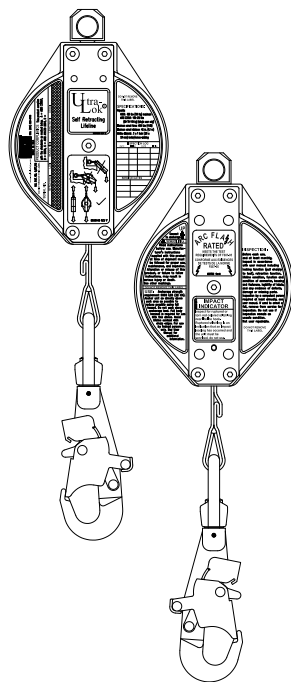


Figure 1 - Ultra-Lok Arc Flash Models: Web Style

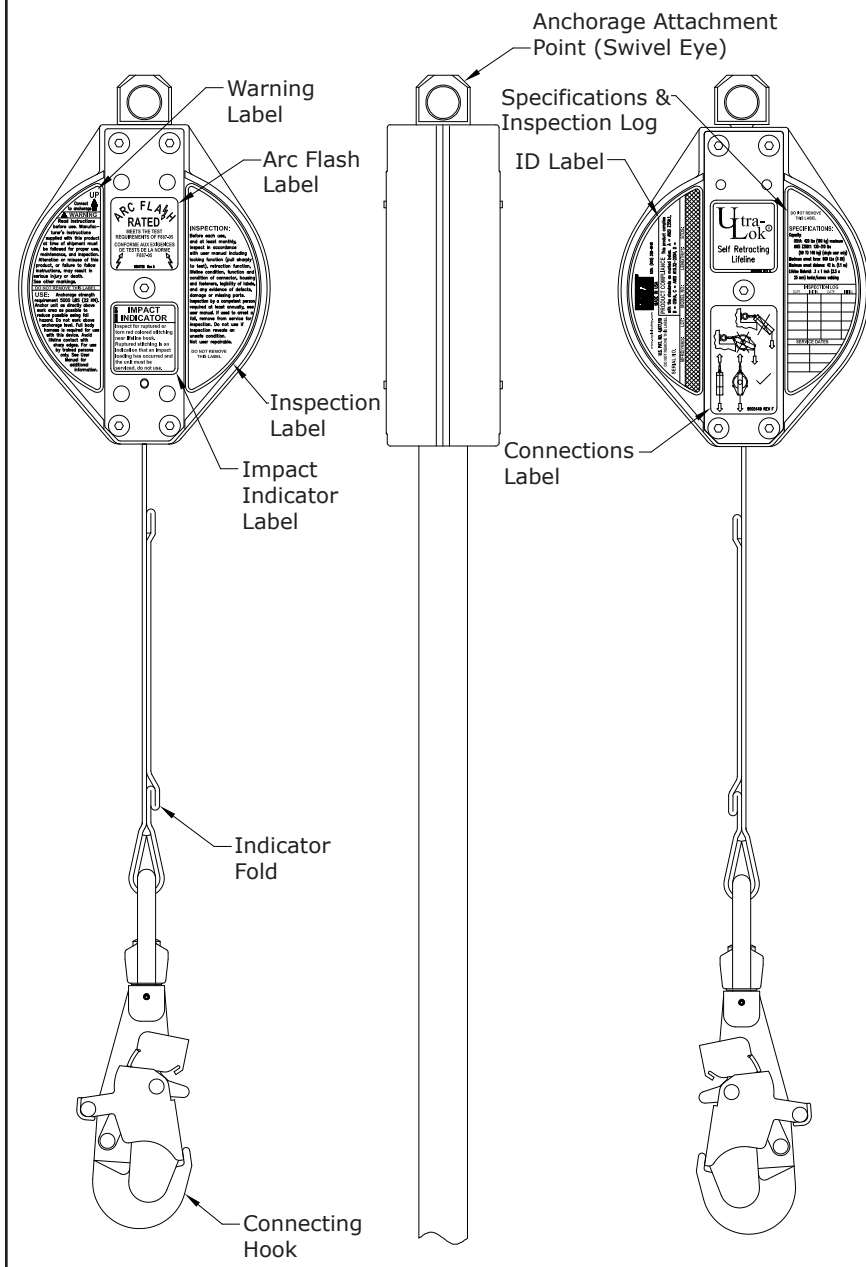


Table 1 - Application Specific SRLs

Model(s)	Application
3504400	Aerospace - SRL contains no zinc, cadmium, or tin; preventing contamination of flight hardware.
3504500, 3504600,	Leading Edge - SRLs are especially suited for applications where falls may occur over an edge, such as roofing, leading edge construction, etc. These models are especially suited for use with fall arrest systems using Capital Safety anchorage connectors intended for leading edge work, such as Leading Edge Tripod Anchor (2105500), Standing Seam Roof Anchor (2103675, 2190001), Swiveling Roof Anchor (2103675), etc.
3103175, 3103275	Arc Flash - SRLs meet the test requirements of the ASTM F887-05 standard and are designed for use in environments where an arc flash (electrical explosion) could occur.

5.0 INSPECTION

5.1 i-Safe™ RFID TAG:

NOTE: Some SRL models do not include the i-Safe RFID tag.

7.0 SPECIFICATIONS

Figure 2 illustrates physical dimensions for the SRL model types. The tables in this section list specific dimensions for each model.

7.3 ULTRA-LOK ARC FLASH WEB SRLs:

- In addition to the working range, there is a 21 in. (53 cm) emergency reserve.
- Maximum Arresting Force: 1,350 lbs (6 kN) when tested in accordance with ANSI Z359.1
- Maximum Arresting Distance (all models): 42 in. (106 cm)
- Capacity (all models): 75-310 lbs (34-141 kg)
- Meets CSA Z259.2, OSHA, and ANSI A10.32 requirements.
- U.S. Patent Number 4,877,110 and 4,977,647 (hook)
- Canadian Patent Number 2,00,516 and 2,027,784 (hook)
- Other patents pending. Foreign patents pending.

Table 2 - Ultra-Lok Arc Flash Web SRLs

Model Number¹	Working Range	Lifeline Type	Hook Model²	Size (L x W x H)	Weight
3103175	11 feet (3.4m)	1 in. (2.5 cm) Kevlar/Nomex Web	9502195	7.63" x 5.25" x 2.00" (19.38cm x 13.34cm x 5.08cm)	4.2 lbs. (1.91 kg)
3103275	20 feet (6.1m)	1 in. (2.5 cm) Kevlar/Nomex Web	9502195	8.88" x 6.38" x 2.00" (22.56cm x 16.21cm x 5.08cm)	5.8 lbs (2.63 kg)

¹ IMPORTANT: Arc Flash models (310175 and 3103275) DO NOT meet the lifeline material requirements of ANSI Z359.1, but meet Z359.1 test requirements as well as OSHA requirements.

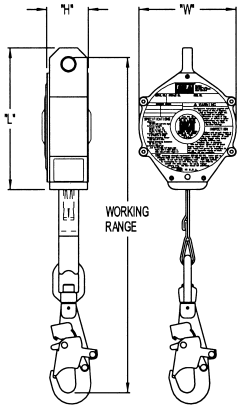
² See Table 3 for hook information.

Table 3 - Hook Information

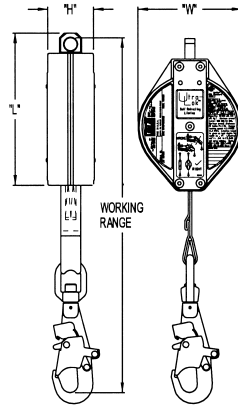
Hook Model	Material	Description
9503175	Alloy Steel	Self Locking Snap Hook
9500100	Alloy Steel	Self Locking Swivel Snap Hook
2004339	Aluminum	Aluminum Auto-Locking Carabiner with Eye
9502324	Alloy Steel	Self Locking Swivel Snap Hook with Indicator
2102325	Stainless Steel	Self Locking Swivel Snap Hook with Indicator
9502195	Alloy Steel	Self Locking Swivel Snap Hook with 3,600 lbs (16 kN) Gate

Figure 2 - Physical Dimensions

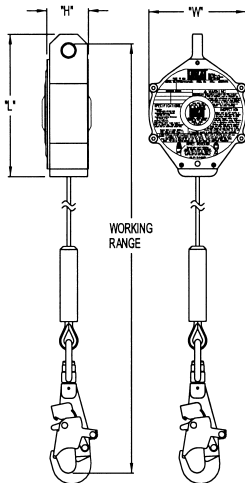
Aluminum Housing Models:
Web Style



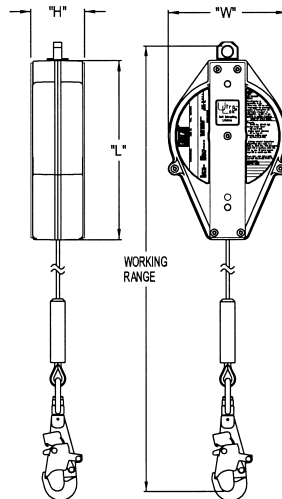
Ultra-Lok & Ultra-Lok Arc
Flash Models: Web Style



Aluminum Housing Models:
Wire Rope Style



Ultra-Lok Model:
Wire Rope Style, Aerospace Style,
Leading Edge Style, & Rope Style



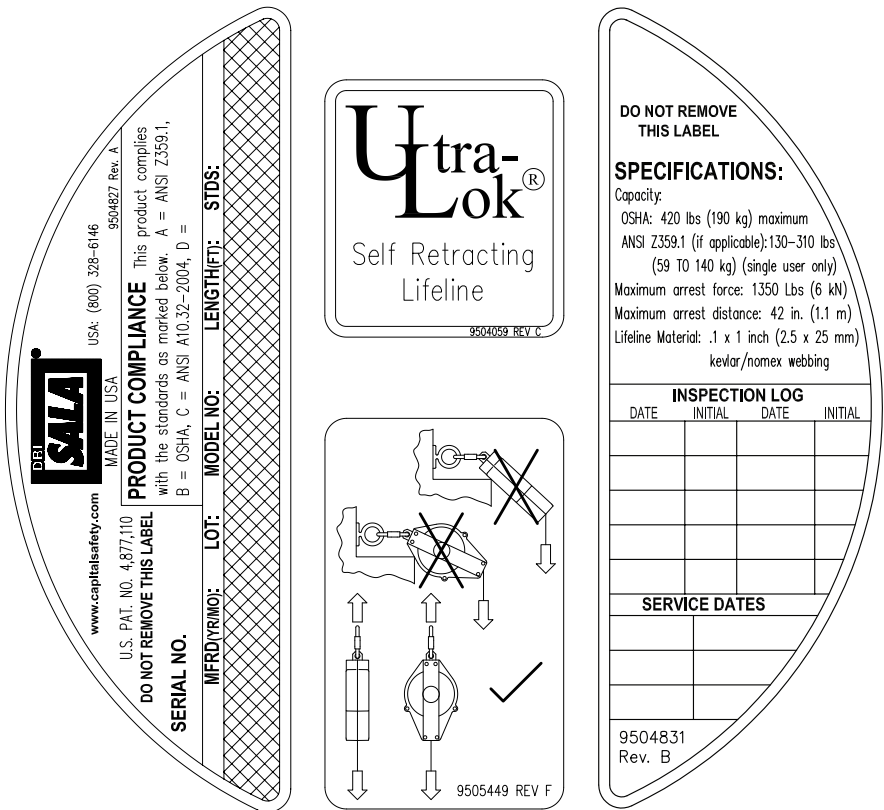
7.6 MATERIALS:

Ultra-Lok Arc Flash Web Style Blocks

- Housing:** Glass reinforced urethane
- Drum:** Nylon
- Side Plates:** Aluminum
- Fasteners and Locking Pawls:** Stainless steel
- Main Shaft:** Stainless steel
- Motor Spring:** Stainless steel
- Finish:** Custom mold color/anodized
- Lifeline:** 1 in. (2.5 cm) wide, .09 in. (2.3 mm) thick Kevlar/Nomex webbing, 5,000 lbs. (22.24 kN) minimum tensile strength.

9.0 LABELING

The following labels must be securely attached to the self retracting lifeline and must be fully legible. See Figure 1 for label locations.



UP

Connect
to anchorage



WARNING

Read instructions before use. Manufacturer's instructions supplied with this product at time of shipment must be followed for proper use, maintenance, and inspection. Alteration or misuse of this product, or failure to follow instructions, may result in serious injury or death. See other markings.

DO NOT REMOVE THIS LABEL

USE: Anchorage strength requirement 5000 LBS (22 KN). Anchor unit as directly above work area as possible to reduce possible swing fall hazard. Do not work above anchorage level. Full body harness is required for use with this device. Avoid lifeline contact with sharp edges. For use by trained persons only. See User Manual for additional information.

9504823
Rev. A

**ARC FLASH
RATED**

MEETS THE TEST
REQUIREMENTS OF F887-05
CONFORME AUX EXIGENCES
DE TESTS DE LA NORME
F887-05



9504792 Rev A



**IMPACT
INDICATOR**

Inspect for ruptured or torn red colored stitching near lifeline hook. Ruptured stitching is an indication that an impact loading has occurred and the unit must be serviced, do not use.

9504823 REV D

INSPECTION:

Before each use, and at least monthly, inspect in accordance with user manual including locking function (pull sharply to test), retraction function, lifeline condition, function and condition of connector, housing and fasteners, legibility of labels, and any evidence of defects, damage or missing parts. Inspection by a competent person required at least annually, see user manual. If used to arrest a fall, remove from service for inspection. Do not use if inspection reveals an unsafe condition. Not user repairable.

**DO NOT REMOVE
THIS LABEL**

9504825
Rev. A



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Certificate No. FM 39709