Super Anchor Safety

FALL PROTECTION EQUIPMENT

SRL-BLE Instruction/Specification Manual 2025

SIDEWINDER-LE™
LEADING EDGE SELF RETRACTING LIFELINE

TOSS'R-LE™

No.2901B-LE50
No.2903B-LE30

No.2991-LE10

Class
2
Anchor above or below dorsal D-ring

Leading Edge Self Retracting Lifeline

Class 2 Leading Edge Self-Retracting Lifeline Instruction/Specification Manual 2025

User Specifications

Class 2 SRL-LE's are designed to be anchored above or below a full body harness dorsal D-ring.

Do not attach to side D-rings.

Always attach to an anchorage that complies with OSHA 1926.502 for fall protection equipment.

Class 2
Anchor above or below dorsal D-ring

SRL-LE Models Specified in this Manual

SIDEWINDER-LE™ LEADING EDGE SELF RETRACTING LIFELINE

Section A
2901B-LE50 50ft/2903B-LE30 30ft

TOSS'R-LE™

Section B
2991-LE10 10ft

Qualified Person Definition:
OSHA 1910.140 (29 CFR 1926.32(m)
"one who by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training and experience, has successfully demonstrated the ability to solve problems relating to the subject matter, work or project."

!WARNING TO USER!

You are required to read, understand and use the current Instruction manual for this device prior to use. Manuals are available by one of the following sources:

- Instructions supplied with the device or at the time of purchase.
- Downloaded from **SAS** website www.SuperAnchor.com
- Access VIA QR code on the device PID label or shipping box.
- Contact **SAS** sales personnel or sales office.

Users are required to receive training for the use of this equipment by "Qualified" or "Competent" person. See OSHA definition.
Serious injury or death can result from improper use or using equipment that doe's not pass inspection/function tests as specified in this manual.

SAS used in this manual = Super Anchor Safety

Fall Arrest Definition* OSHA 1910.140

(d)(1)(i): Limit max. arresting force to 1,800lb.
(d)(1)(iii): System of sufficient strength to withstand 2X the potential impact energy in a 6ft free fall, or the distance permitted by the system.
(d)(1)(v): 310lb max. user wt. including tools.
(d)(2)(ii): limits a free fall of no more than 6ft.
**SAS Abbreviated*

Fall Restraint Definition OSHA 1926.751
"A means of fall protection that prevents the user from falling any distance."

Competent Person Definition OSHA 1910.140
"one who is capable of identifying existing and predictable hazards in any personal fall protection system or any component of it, as well as in their application and uses with related equipment, and who has authorization to take prompt corrective action to eliminate the identified hazards"

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Inspection Form A-1.0 Pg. A-17

Model: 2903B-LE30 ☒ 2901B-LE50 ☐ Enter Model not Listed:			
Serial No.	SAS Date of Mfg.	Date of First Use:	Retu
Owner Company:			
Inspection By/ Agency:			Date:
Where			Certificat

Note: Date of mfg. (DOM) is the date the SRL was shipped from SAS factory.

Instructions Prior to First Use

- Record the date of first use on the Aux. label.
- Create a service record on form A-1.0. Enter SRL part no., serial no., date of mfg. and date of first use.

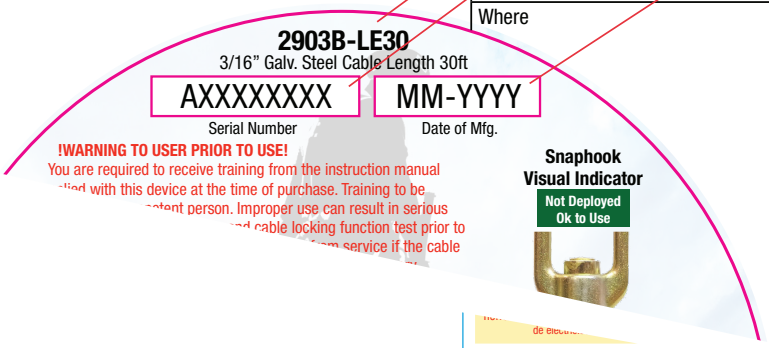
Required Inspections Prior to Each Use:

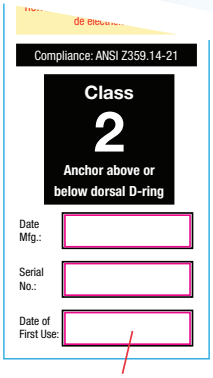
Pg.10 and inspection references.

Competent Person:

Pgs. 10,11,12,13,14,15, and 16.

Casing PID Specification Label





Owner Enters Date of First Use

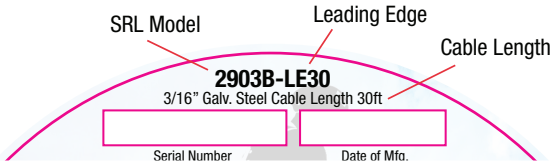
SRL Specifications

Leading Edge Use:
Max. User wt.: 130-310lbs including tools and equipment.
Avg. Arresting Force: 1,350lbs
Max. Arresting Force: 1,800lbs
Min. Setback Distance: 2ft
Max. Free Fall: 5ft
Fall Clearance: 18.5ft

Overhead Use

Max. Deceleration Distance: 36"
Fall Clearance: 6.5ft

PID (Product ID) Label



PPE/Anchorage Points

PPE: Users are required to wear a full body harness that is compliant with current OSHA 1926.502 fall protection standards. Do not connect SRL to side D-rings.

SRL Anchorage: Attach SRL carabiner to an anchorage that is capable of supporting 5,000lb or 2X the intended fall protection load. Min. anchorage strength 3,600lb for an engineered fall protection system.

Service Life and Inspection Requirements
Annual/6 Month: Competent or Qualified person.
Prior to Each Use: Competent person or end users trained to perform inspections by a competent person.

Service Exposure	Approx. Service Life	Min.1 Year	Min. 6 Months	Before each use
Each Use	3-5 years	X	N/A	X
Indoor/Heavy	2 years +		X	
Outdoor/Heavy	1-2 years			
Salt Air Exposure	1 year			

Note: Exposure to salt air, water saturation, gypsum and dust reduces the SRL's service life.

SRL Original Shipping Box
Required to return SRL for service.

WARNING! Do not attempt to repair a SRL. Return to SAS factory.

Overhead Anchorage

Overhead anchorage limits free falls to approx. 2ft when travel on the work surface is within the X/Y dimensions specified in chart 1.0. Care must be taken to restrict offset distances in order to avoid increased free fall lengths and swing fall hazards.

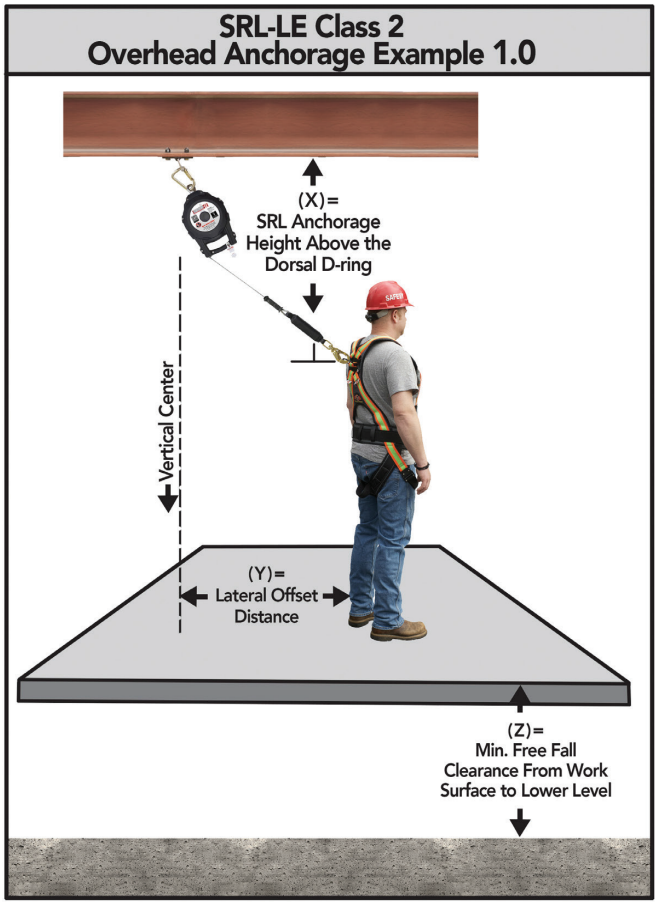
Example: Overhead anchorage (X), is 10ft above the dorsal D-ring. Travel in any direction from vertical center is 6ft and requires lower level clearance (Z) of 8'-6" when leading edge fall hazards are present.

Chart 1.0 30ft/50ft SRL-LE
Overhead Anchorage Class 2 Clearance

		Lateral Offset Distance (Y)							
		0ft	2ft	4ft	6ft	8ft	10ft	15ft	20ft
SRL Anchorage Height Above Dorsal D-ring (X)	0ft	6'-6"	8'-6"	10'-6"	WARNING! DO NOT WORK IN RED ZONE				
	5ft		7'	7'-6"					
	10ft		6'-6"		8'-6"				
	15ft			7'	7'-6"	8'-6"	9'		
	20ft			6'-6"					
	25ft				7'	8'	8'-6"		
	30ft					7'-6"	8'	10'-6"	
	35ft								
	40ft							10'	
	45ft								
	50ft							9'-6"	12'-6"
(Z) Ground Clearance* Includes 18" Safety Margin									

Note: Working in red zone may result in serious injury or death in the event of a fall.

*Or nearest lower level below work area.



2903B-LE30
2901B-LE50

Chart 1.0 Example:

(Y) =6'
(X)=10'
Ground Clearance (Z) =8'6"
Max.Free Fall: =24"

Work Zone: White areas
Restricted Zone: Red areas.
Note: work in red zones is not allowed and may result in serious injury or death in the event of a fall.

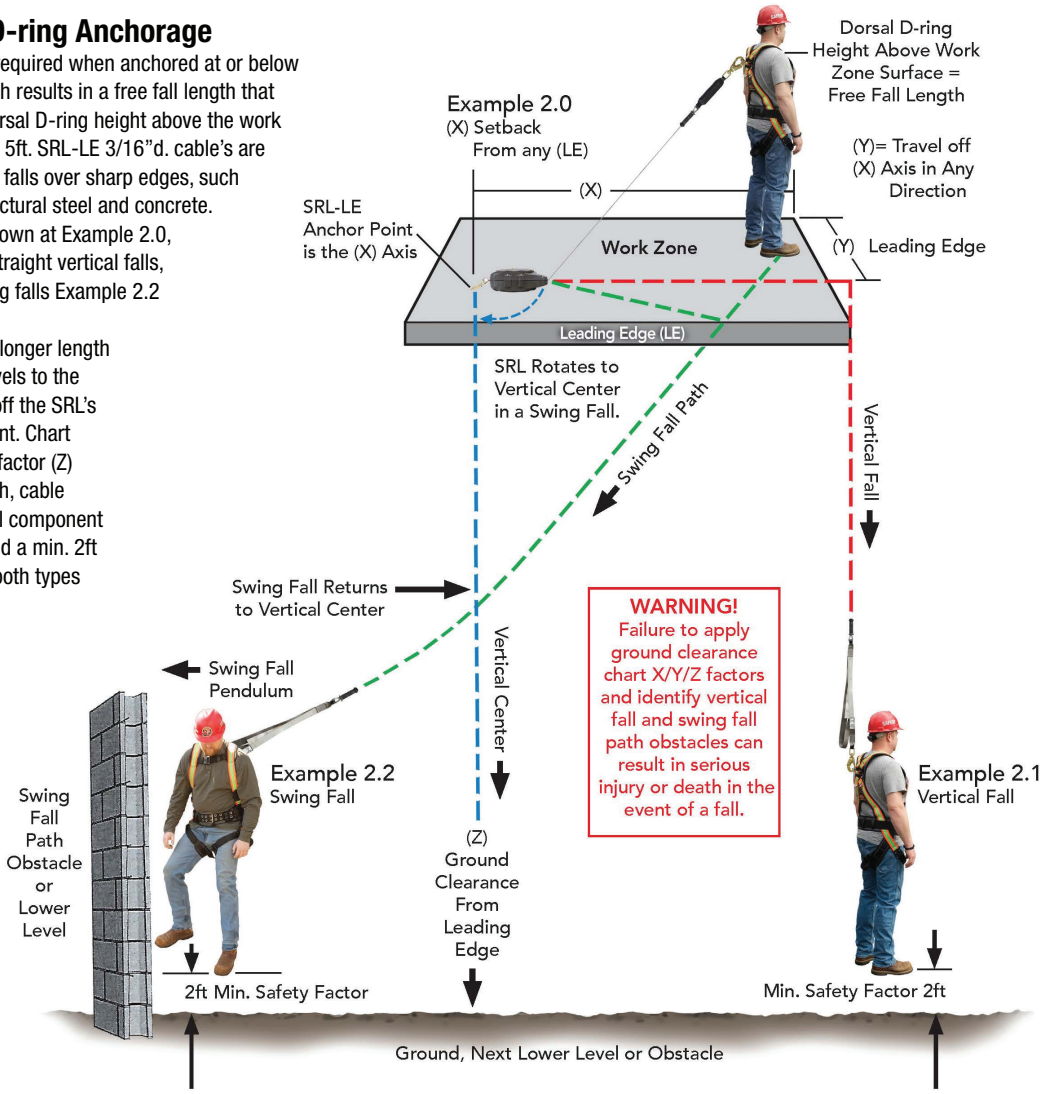
Do Not Expose SRL Cable to the Following Hazards:

- Wrapping around obstacles.
- Contact with electrical sources or crossing over extension chords.
- Contact with HVAC, equipment or material stacks.
- Tools or equipment used for cutting or grinding.
- Sources of high heat such as welding or torch flames.

Below Dorsal D-ring Anchorage

Class 2 SRL-LE's are required when anchored at or below the dorsal D-ring which results in a free fall length that is = to the workers dorsal D-ring height above the work zone surface, typically 5ft. SRL-LE 3/16"d. cable's are designed to withstand falls over sharp edges, such as metal decking, structural steel and concrete. Leading edge work shown at Example 2.0, exposes a worker to straight vertical falls, Example 2.1 and swing falls Example 2.2

Swing falls result in a longer length of fall as a worker travels to the left or right (Y) factor off the SRL's (X) axis anchorage point. Chart 2.0 ground clearance factor (Z) includes free fall length, cable deployment, additional component deployment factors and a min. 2ft ground clearance for both types of falls.



Any travel away from the anchorage point will result in deployment of more cable. Exceeding the X/Y and Z factors in chart 2.0, will result in a longer length of fall that can exceed the SRL's ability to arrest a fall or prevent the worker from contacting an obstacle below.

Care must be taken to avoid contact with the next lower level and swing fall obstacles.

Chart 2.0 30ft/50ft SRL-LE Below Dorsal D-ring Class 2 Clearance

	(Y) Distance off (X) Axis Anchorage Point					
	0ft	2ft	4ft	6ft	8ft	10ft
(X) Axis Set-Back Distance 2ft	18'-6"	19'	21'	WARNING! DO NOT		
4ft			20'	21'-6"	WORK IN RED	
6ft			19'-6"	21'	22'-6"	ZONE
8ft				20'-6"	22'	
10ft		18'-6"	19'	20'	21'	22'
12ft					20'-6"	21'6"
14ft				19'-6"	20'	21'
16ft						
18ft						
20ft				19'		
(Z) Ground Clearance* Includes 2ft Safety Margin						

Note: Working in red zone may result in serious injury or death in the event of a fall.

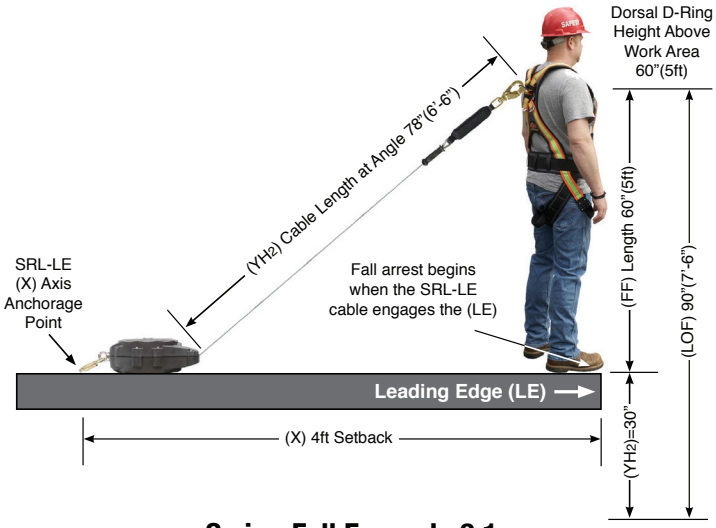
Leading Edge (LE) Free Fall

The following examples, 3.0 and 3.1, (YH_1) and (YH_2) illustrate how cable deployment lengths at angles off the (X) axis, affect the length of a vertical free fall and swing fall over the leading edge.

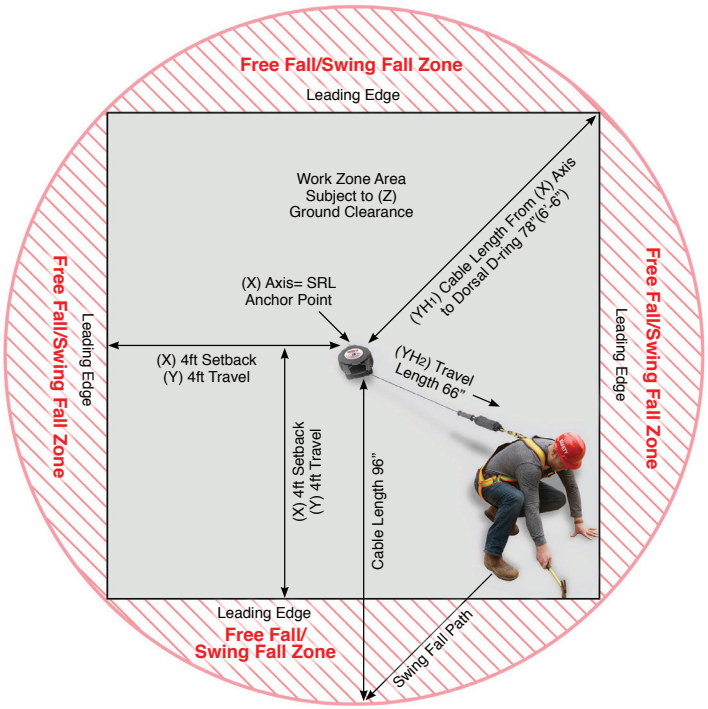
Note 1: Examples 3.0/3.1, the (LOF) applies only to the deployed cable cable length and max. free fall of 5ft over the (LE) and do not include all of the factors in a total length of fall from the leading edge to the to the nearest lower level below the (LE).

Note 2: (YH_1) and (YH_2) cable lengths are included in the (Z) ground clearance with a safety factor of 24" and are not required to be calculated separately.

Vertical Free Fall Example 3.0



Swing Fall Example 3.1



SAS Abbreviations Key For Examples

SRL-LE Class **2** Anchor above or below dorsal D-ring	Self retracting lifeline specified for leading edge work with anchorage attachment overhead or horizonal (at or below the dorsal D-ring)
(FF)	Free fall **(SF)** Swing fall
(LOF)	Length of fall
(LE)	Leading edge fall hazard
(Y)	Worker travel in any direction off (the X) axis
(YH1)	Cable length measured from (X) axis to the max. (Y) travel to the dorsal D-ring height of 60"
(YH2)	Cable length measured from (X) axis to the leading edge based on the (Y) factor
(X)	SRL-LE anchorage setback from a leading edge
(Z)	SRL-LE ground clearance including 18" up to 24" safety factor
(H)	Dorsal D-ring full body harness stretch based on a 310lb worker subjected to a 5ft free fall
(E/A)	External energy absorber attached to the SRL-LE cable

Vertical Free Fall (FF) Over (LE)

A free fall with no (Y) travel to the left or right off the (X) axis adds (H_1) cable length as measured from the work surface zone to the dorsal D-ring.

Example 3.0

- (Y)=4ft / (X)=4ft (FF)=60"
- Dorsal D-ring ht. 60"
- Max. free fall (FF).60"
- (YH1) cable length=78"
- (LOF) 78"-48"=30"+(FF) 60"=90"

Swing Fall (SF) Over (LE)

The max. (Y) travel off (X) axis adds (YH_1)+ (YH_2) cable lengths to the (LOF).

Example 3.1

- (Y)=4ft / (X)=4ft (FF)=60"
- Dorsal D-ring ht. 60"
- Max. free fall (FF).60"
- (YH_1) cable length=78"
- YH_2) cable length=66"
- (LOF) 78"-48"=30" + 66"-48"=18" +(FF) 60"=108"

Comparison

Vertical fall=90" (LOF)
Swing fall=108" (LOF).
Travel at an angle off the (X) axis increases the (LOF) by 18". The (Z) ground clearance includes both (YH_1) and (YH_2) cable lengths.

Length of Fall (LOF)

Ground clearance charts included in this manual and inside the external (E/A) pack, specify setback and travel distance including other factors necessary to prevent contacting the ground or next lower level.

Fall Arrest

Fall arrest begins when the SRL-LE cable intersects the (LE) and the following components begin to deploy:

- SRL-LE internal brake 30” +/-
- External (E/A) tear webbing 66” +/-

(SW) Pendulum Effect

Inertia from a swing fall will cause a suspended worker to travel past the vertical center of the SRL-LE anchorage point, at some point stop and then swing back in the opposite direction. Eventually a suspended worker will come to rest at vertical center provided there are no obstacles in the swing fall path to prevent that.

Example 3.2

Ground Clearance Chart Factors

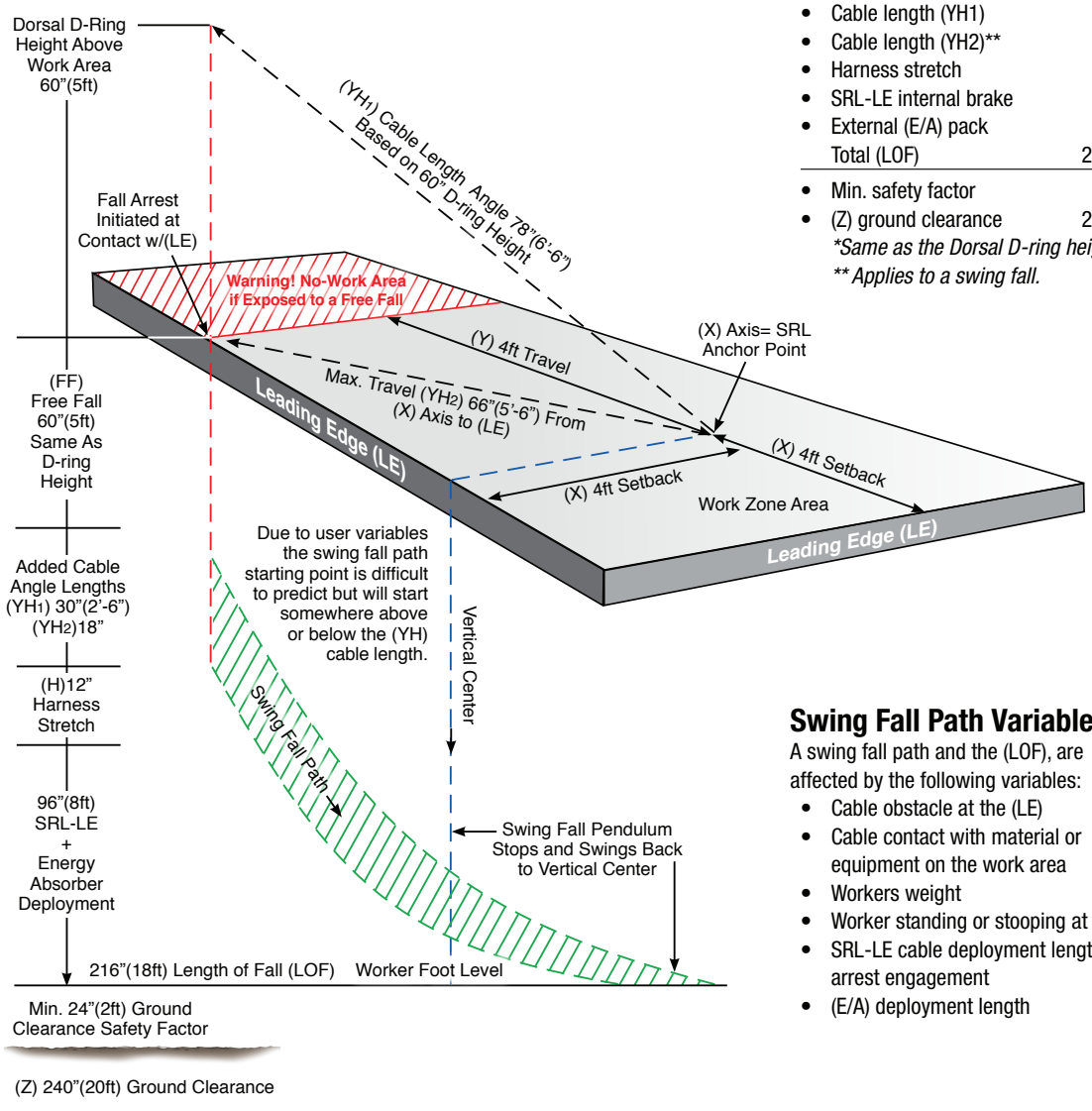
Chart 2.0 30ft/50ft SRL-LE Below Dorsal D-ring Class 2 Clearance

	(Y) Distance off (X) Axis Anchorage Point				
(X) Setback-Back Distance	0ft	2ft	4ft	6ft	8ft
2ft			21’	WARNING!	
4ft		19’	20’	21’-6”	
6ft					
8ft					
10ft					

Example 3.2 (LOF) Factors

• (X) Setback 4ft	
• (Y) Travel off (X) axis 4ft	
• Free fall over the (LE)*	60”
• Cable length (YH1)	30”
• Cable length (YH2)**	18”
• Harness stretch	12”
• SRL-LE internal brake	30”
• External (E/A) pack	66”
Total (LOF)	216”
• Min. safety factor	24”
• (Z) ground clearance	240”

**Same as the Dorsal D-ring height.*
*** Applies to a swing fall.*



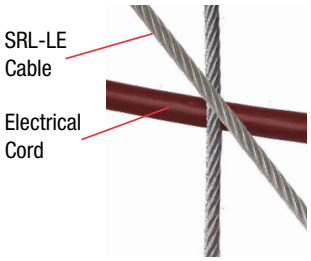
Swing Fall Path Variables

A swing fall path and the (LOF), are affected by the following variables:

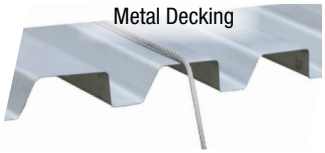
- Cable obstacle at the (LE)
- Cable contact with material or equipment on the work area
- Workers weight
- Worker standing or stooping at the (LE)
- SRL-LE cable deployment length at fall arrest engagement
- (E/A) deployment length

Cable Hazards: Examples shown here will result in damage or severing of the cable.

Cable Crossings



Contact With Abrasive Edges



Exceeding Ground Clearance Chart Specifications

(Y) travel outside ground clearance chart specifications for (X) axis, increases the the deployment length of the SRL-LE brake system, the E/A deployment length and additional cable length to the length of fall (LOF). The fall arrest system may fail as a result of the increased fall arrest force resulting in in serious injury or death.

Specifying Safe Work Zones

A competent person is required to specify safe work zones using the ground clearance charts in this manual and instruct workers how to comply with work zone boundaries and avoid travel into unsafe NO WORK ZONES. The use of SRL's are inherently dangerous because they cannot be set at a fixed length to limit (Y) travel, thus creating the potential for an extreme free fall event. For that reason a job specific plan (JSP) is required to designate safe and unsafe work zones.

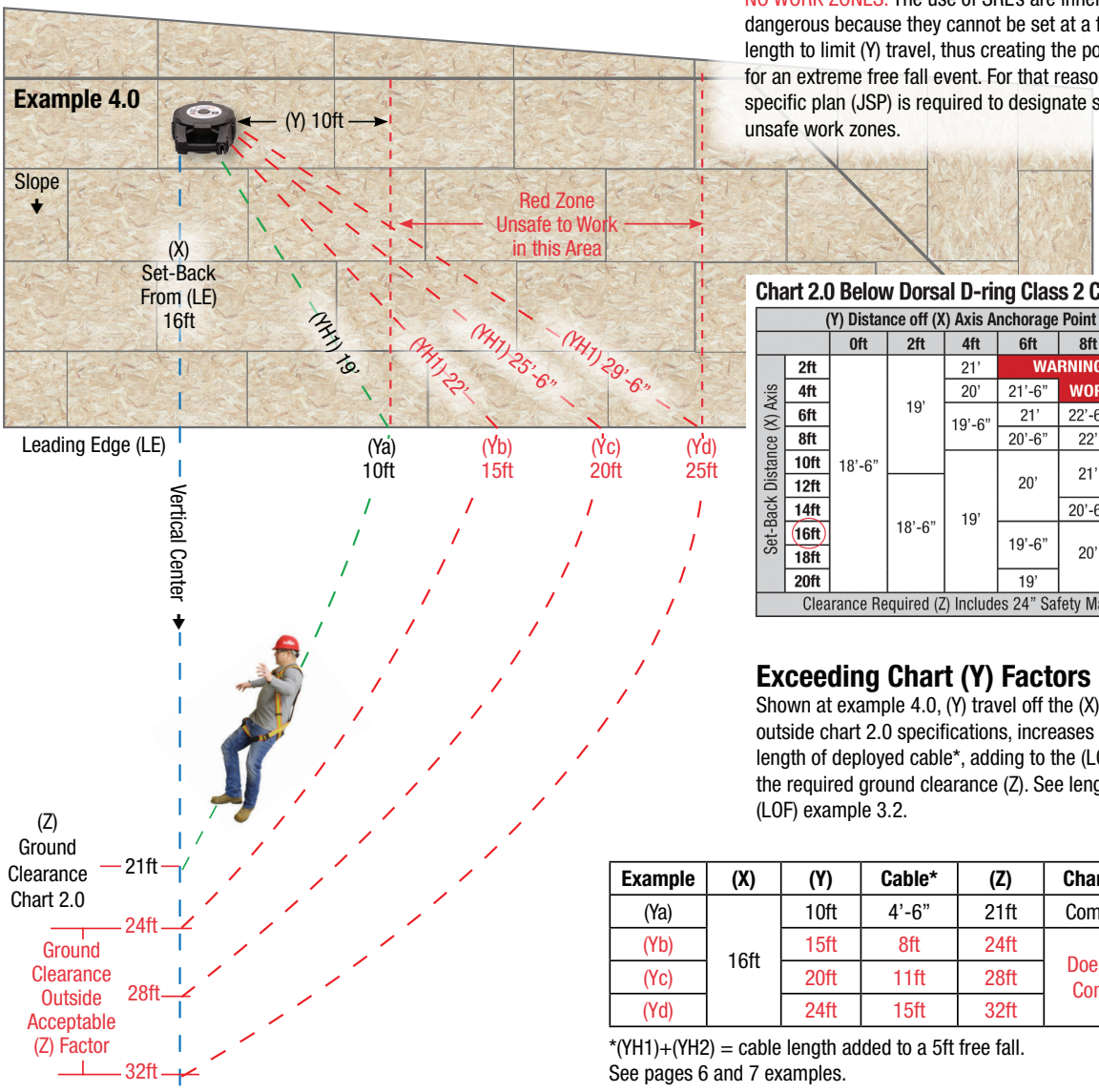


Chart 2.0 Below Dorsal D-ring Class 2 Clearance

Set-Back Distance (X) Axis	(Y) Distance off (X) Axis Anchorage Point					
	0ft	2ft	4ft	6ft	8ft	10ft
2ft	18'-6"	19'	21'	WARNING! DO NOT		
4ft			20'	21'-6"	WORK IN RED	
6ft			19'-6"	21'	22'-6"	ZONE
8ft				20'-6"	22'	
10ft		18'-6"	19'	20'	21'	22'
12ft					20'-6"	21'6"
14ft				19'-6"	20'	21'
16ft						
18ft				19'		
20ft						

Clearance Required (Z) Includes 24" Safety Margin

Exceeding Chart (Y) Factors

Shown at example 4.0, (Y) travel off the (X) axis outside chart 2.0 specifications, increases the length of deployed cable*, adding to the (LOF) and the required ground clearance (Z). See length of fall (LOF) example 3.2.

Example	(X)	(Y)	Cable*	(Z)	Chart 2.0
(Ya)	16ft	10ft	4'-6"	21ft	Complies
(Yb)		15ft	8ft	24ft	Does not Comply
(Yc)		20ft	11ft	28ft	
(Yd)		24ft	15ft	32ft	

*(YH1)+(YH2) = cable length added to a 5ft free fall.

See pages 6 and 7 examples.

Ground Clearance Charts

Chart 1.0 30ft/50ft SRL-LE
Overhead Anchorage Class 2 Clearance

SRL Anchorage Height Above Dorsal D-ring (X)	Lateral Offset Distance (Y) 0ft	2ft	4ft	6ft	8ft	10ft	15ft	20ft
0ft	6’-6”	8’-6”	10’-6”	WARNING! DO NOT WORK IN RED ZONE				
5ft		7’	7’-6”	8’-6”				
10ft		6’-6”	7’	7’-6”	8’-6”	9’		
15ft			6’-6”	7’	7’-6”	8’	8’-6”	
20ft								
25ft							10’-6”	
30ft								
35ft							10’	
40ft								
45ft							9’-6”	12’-6”
50ft								

(Z) Ground Clearance* Includes 18” Safety Margin

Chart 2.0 30ft/50ft SRL-LE
Below Dorsal D-ring Class 2 Clearance

(X) Axis Set-Back Distance	(Y) Distance off (X) Axis Anchorage Point 0ft	2ft	4ft	6ft	8ft	10ft
2ft	18’-6”	19’	21’	WARNING! DO NOT WORK IN RED ZONE		
4ft			20’	21’-6”		
6ft			19’-6”	21’	22’-6”	
8ft				20’-6”	22’	
10ft			19’	20’	21’	
12ft		18’-6”				22’
14ft					20’-6”	21’6”
16ft				19’-6”	20’	21’
18ft						
20ft				19’		

(Z) Ground Clearance* Includes 2ft Safety Margin

Do Not use for 30ft SRL-LE

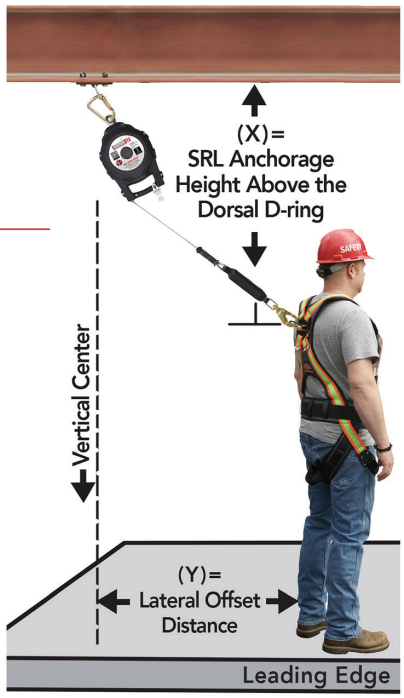
Chart 3.0 50ft SRL-LE* Below Dorsal D-ring Class 2 Clearance

(X) Axis Set-Back Distance	(Y) Distance off (X) Axis Anchorage Point 0ft	2ft	4ft	6ft	8ft	10ft	15ft
2ft	18’-6”	19’-6”	21’	WARNING! DO NOT WORK IN RED ZONE			
4ft		19’	20’	22’			
6ft				21’	22’-6”		
8ft			19’-6”	20’-6”	22’		
10ft					21’-6”		
12ft				20’	21’	22’-6”	
14ft			19’			22’	
16ft					20’-6”	21’-6”	
18ft				19’-6”		21’	
20ft							
30ft					20’	20’-6”	22’
40ft				19’		20’	21’-6”

(Z) Ground Clearance** Includes 2ft Safety Margin

Overhead Anchorage
Chart 1.0 30ft/50ft SRL-LE

WARNING! Do Not Use for Below Dorsal D-ring



Below Dorsal D-ring Anchorage
Chart 2.0 30ft/50ft SRL-LE
Chart 3.0 50ft SRL-LE

Warning! Working in red zones may result in:

- Failure to arrest a fall.
- Striking the ground or lower level.
- Serious injury or death from a swing or free fall.

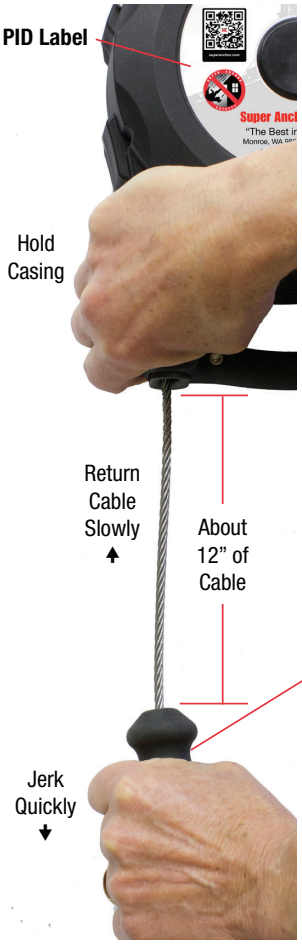
Inspection Guide

Training/Prior to Each Use Inspections: A competent person is required to train users in the operation of the SRL-LE, observing ground clearance chart specifications, how to perform "Prior to Each Use" inspections, demonstrate ability to inspect by example, and what to do if a test fails, or a defect is found during use.

Required Inspections/Function Tests Prior to Each Use

• Cable Lock Test. • Visual Indicator. • Snaphook/Carabiner. Pg. A-14
• PID labels not readable or missing. Pgs. A-15/16. ☒
Additional inspection points see Pg. A-11

▲ Cable Lock Test



Instructions
Hold casing with one hand and cable grip with the other hand. Slowly deploy about 12" of cable and jerk quickly.
- Cable locks. ☑
- Cable does not lock.* ☒

**Note: The internal brake system may be oxidized due to salt air exposure, or debris inside the casing.*

Cable Retraction Test
Slowly deploy as much cable as you can, at least 2ft. then slowly return cable to casing.
- Cable returns smoothly. ☑
- Cable does not return smoothly.* ☒

**Note: This may indicate the recoil spring is faulty or debris inside the casing.*

❻ Cable Grip
- Damaged or missing. ☒

Warning!
During use or when performing locking test, DO NOT release cable. Damage to the recoil spring and internal brake system may occur.

❿ Visual Indicator

Not deployed. ☑ / Red indicator visible. ☒

⓫ Rotates freely. ☑
Does not rotate freely. ☒

Remove SRL-LE From Service

☒ **Failure to Pass Tests/Inspections**
REMOVE FROM SERVICE IMMEDIATELY!
Return the SRL-LE to your employer or person authorized to maintain safety equipment.
Report the reason for test failure.

☑ Passes inspection/function tests.

Inspection During Use
Cable should deploy and retract smoothly. During use, inspect cable, if any damage is present. ☒

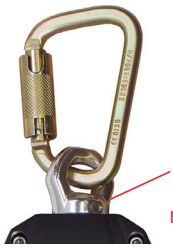
Cable Lock
Moving too fast will engage the locking function. If locking occurs with normal movement, slow your movement. If locking continues. ☒
Never allow the cable to retract without tension.

Cable Binding
Uneven winding of the cable can result in binding. Deploy a few feet of cable and resume retraction.
Failure of cable retraction. ☒

Connector Inspections

Perform inspection/function tests
See Pg. A-14

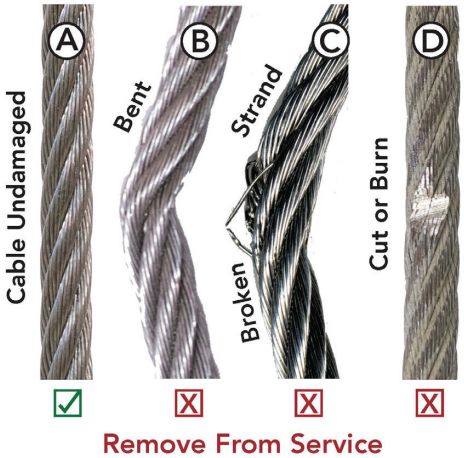
❶ Carabiner



❷ Swivel Connector
• Does not rotate freely. ☒

⓫ Snaphook

❼ Cable Inspection



SRL-BLE30/SRL-BLE50 Inspection Guide

A competent person is required to perform scheduled SRL-LE inspections once every 6 months or based on the frequency of use and environmental conditions. The person or agency performing inspections may add inspection points not included in this manual. Inspections can be recorded on the SAS inspection form A-1.0.

▲ **Cable Lock Test**
Pg. A-10 test fails. ☒

❶ **Auto-Lock Carabiner:**
Pg. A-14 inspection/locking test fails. ☒
Replace carabiner. ☑

❷ **Swivel Connector:**
Pgs. A-10/11
Does not rotate freely. ☒

❸ **Casing Inspection:**
Pgs. A-11/12
Gouges, cuts or cracks. ☒
Casing sides separating. ☒
Handle cracked. ☒
Tar, caulking, concrete, dirt present, clean the casing. ☑

❹ **12 Casing Screws Required:**
Pgs. A-11/12
Missing screws. ☒

❺ **Cable Guide:**
Pgs. A-11/12
Deep gouges from cable abrasion. Missing guide. ☒
Remove any debris from guide. ☑

❻ **Cable Grip:**
Pgs. A-11/12
Missing or severely damaged. ☒

❼ **Cable/Cable Termination:**
Pgs. A-10/12
Eye thimble missing. ☒
Cable damaged/missing swages ☒

❽ **Wear Pads/E/A Loop End:**
Pg. A-13
Wear pad missing. ☒
E/A webbing worn. ☒

❾ **Energy Absorber:**
Pg. A-13
Cover missing. ☒
PVC cover missing. ☒
Aux labels missing. ☒
Tear webbing deployed. ☒

❿ **Visual Indicator:**
Pgs. A-10/11
Red indicator visible. ☒

⓫ **Swivel Snaphook:**
Pg. A-14 inspection/locking tests fail. ☒
Pgs. A-10/11 swivel does not rotate freely. ☒

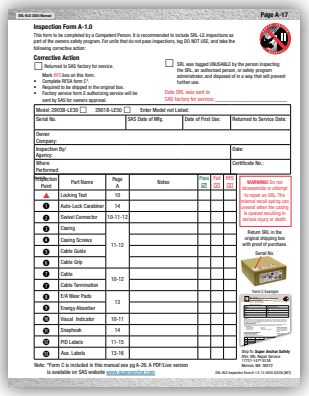
☒ Inspection fails remove from service. Return to SAS for service or dispose of in a way that will prevent further use.

☑ Pass inspection. Take corrective action as noted.

⓬ **PID Front/Back Casing Labels**
Pgs. A-11/15
Any part of the label is missing. ☒
Data not readable. ☒

⓭ **Auxiliary Labels:**
Pgs. A-13/16
Labels are missing. ☒
Data not readable. ☒

Inspection Form A-1.0
Pg. A-17



Casing Inspection Guide

❸ Casing/Handle Inspection
- Fractures/cracks/gouges.
- Casing deformation or penetrations.
- Casing surface contamination.
- Casing sides/screws/cable guide.

Consult inspection numbers on pgs. A-10,11,12 and 13.

Fig.1

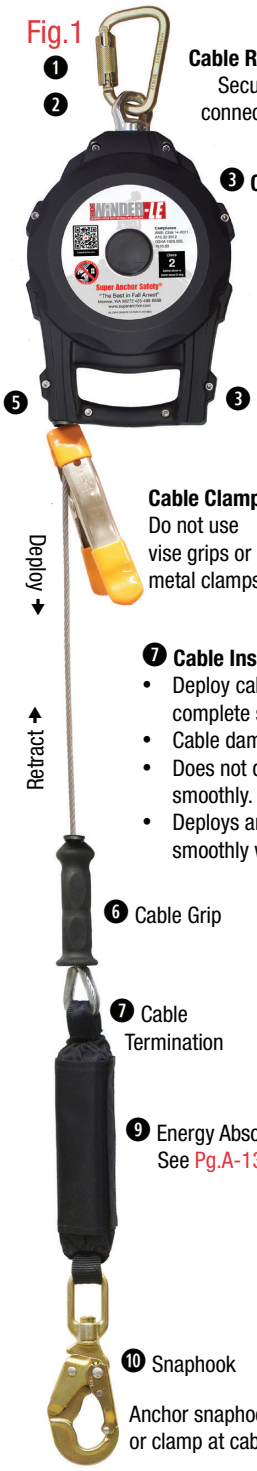
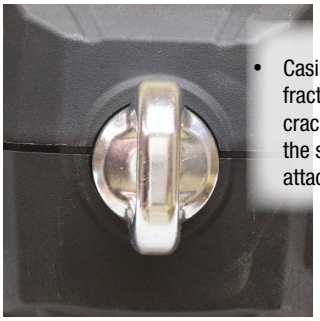


Fig.2

❸ Swivel Casing Damage



- Casing fractures or cracks around the swivel attachment. ☒

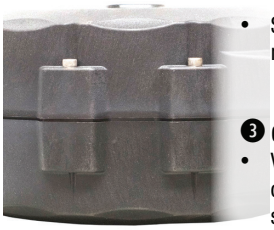
Fig.4

❺ Cable Guide

- Excessive wear from cable abrasion. ☒

Fig.5

❹ 12ea Casing Screws



- Screws missing. ☒

❸ Casing Sides
- Voids, cracks or seam separation. ☒

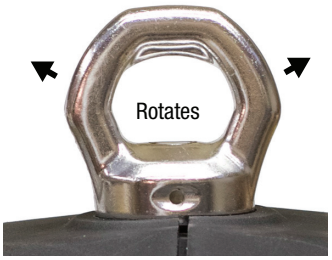
❼ See Pg.A-10

Remove From Service

Damage From Accident or Abuse
- Dropping onto a hard surface or storing materials on the casing.
- Cable to retraction without tension.
- Wrapping cable around an object, contact with a hard metal or concrete edge, exposure to cutting or welding.
- Exposure to cleaning chemicals.
- Exposure to high hear or open flame.
- Improper storage, or water submersion.

Fig.3

❷ Swivel Connector



- Does not rotate freely. ☒
- Gouges, cuts, cracks or deformation. ☒

Fig.6

❼ Cable Termination

Energy Absorber Inspection Guide

See Pgs. A-10,11,12 and 14 for additional inspection points. SRL-LE's are equipped with an external (E/A) that deploys when subjected to a force of approx. 650lb. Tear webbing reduces the max. arrest force slowing the free fall to full arrest.
☒= Remove from service.

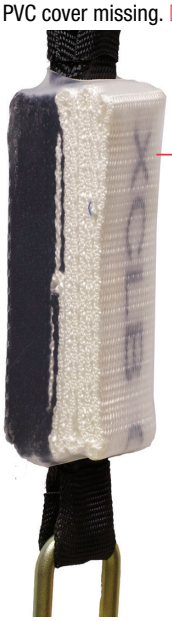
Fig.1
❾ (E/A) Pack

Fig.2
⓬ Aux. Labels
Ground clearance charts and Spanish instructions.

- Open cover to access instructions. Instructions missing. ☒ See Pg. A-16.

Fig.3
(E/A) Cover

- Cover missing. ☒
- PVC cover missing. ☒



Wear Pad Inspection
The E/A backer webbing is visible from the outside. A second layer (wear pad) is under the backer webbing and provides abrasion protection from the connector attachments. Webbing worn thru. ☒

Clear PVC (E/A)Cover
Shrink wrap is required to keep the tear webbing tightly packed. Do not remove.

❿ Snaphook
Visual indicator deployed. ☒

Tear Webbing Deployment Factors

The following variables determine how much tear webbing is deployed in a free fall:

- User weight.
- Swing fall cable angle.
- Free fall distance.

Fig.4
Full Deployment

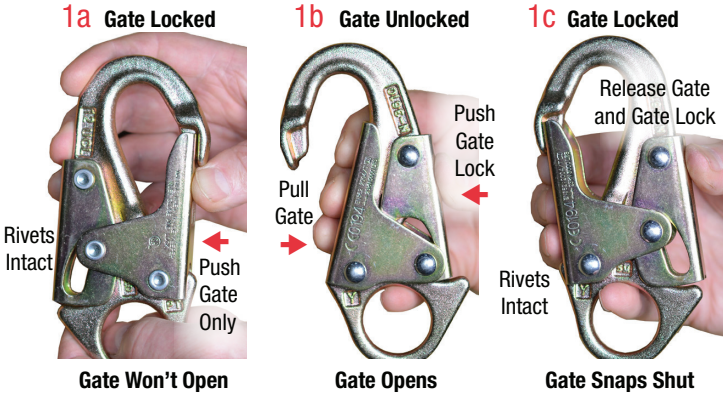
- Remove from service. ☒

Fig.5
Partial Deployment

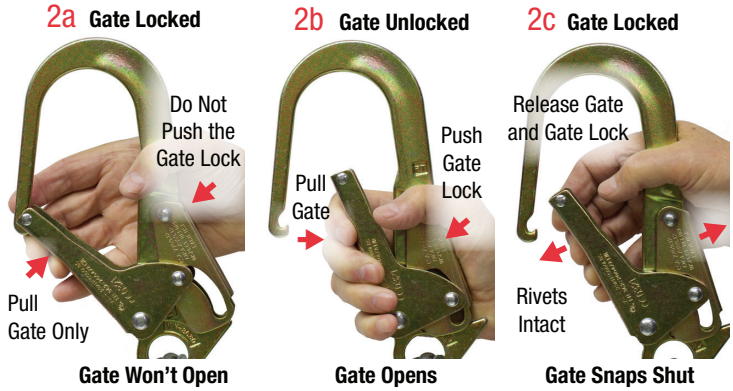
- Any amount of white tear webbing visible. ☒

Visual indicator may not deploy with partial E/A deployment.

Snaphooks



Steel or Aluminum Rebarhooks



Steel or Aluminum Carabiners

Connector Inspection/Function Tests

Class 1 connector gates are designed to remain Closed during use. Two separate functions are required to unlock connector gates. Test and inspect connectors prior to each use and at least once a year by a competent person.

Captive connectors

Factory attached non-removeable connectors that do not pass inspection/function tests, require the entire equipment to be removed from service. Carabiners that are removeable can be replaced.

Gate Locks/Rivets

Gates and gate locks are spring loaded and will snap shut when no force is applied. If they fail to close when released, remove from service. All gate rivets must be intact to pass inspection. Inspect both sides of the rivets.

Oxidation/Rust

Coatings applied to connectors will deteriorate over time. Exposure to salt air, chemicals and abrasion are normal and do not require to remove connectors or equipment from service provided they pass the required inspections.

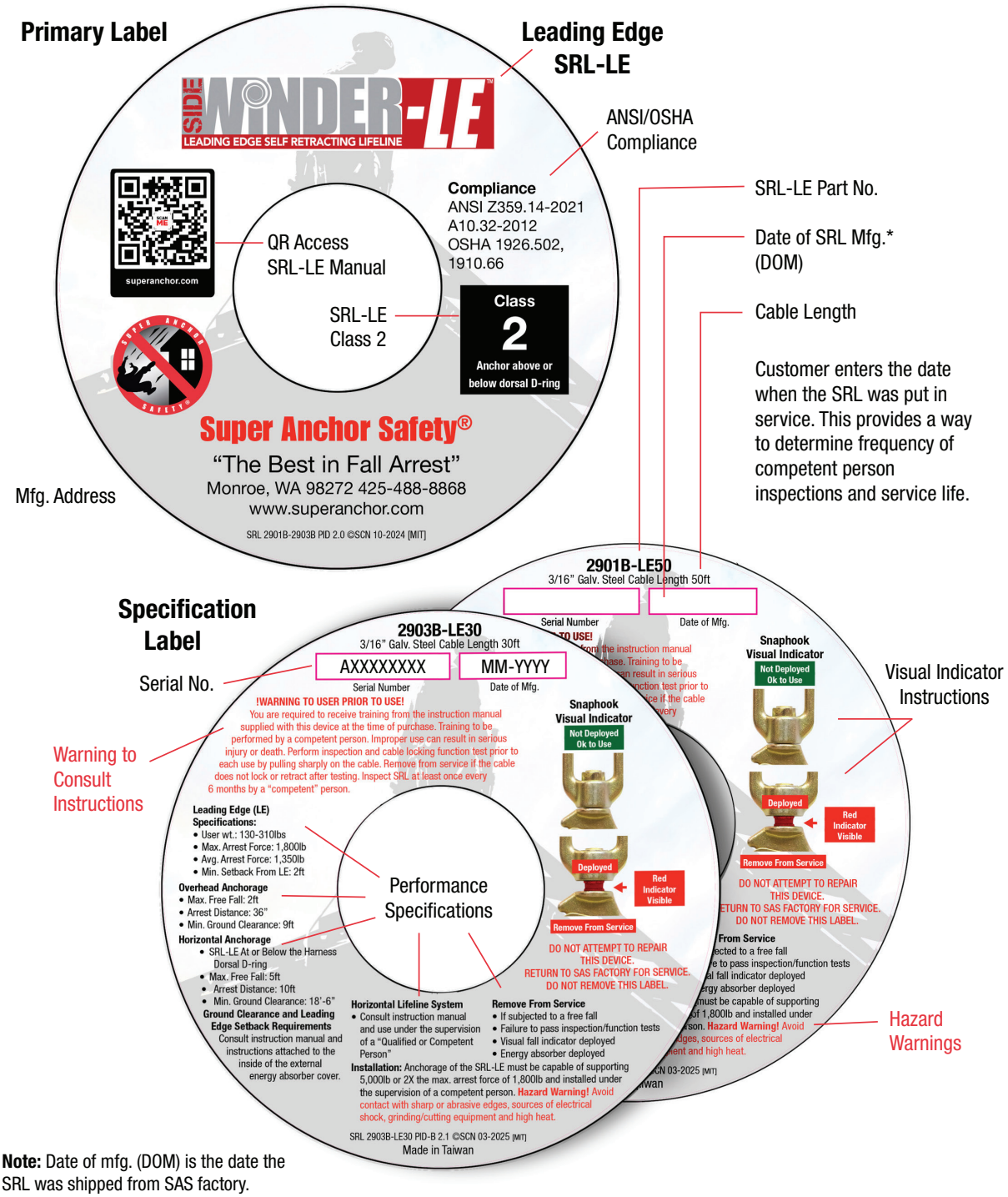
Table 1 Snaphooks/Rebarhooks

Fig.	Test	Function	Pass ☑	Fail ☒
1a/2a	Gate Lock	Pull Gate Only	Won't Open	Opens
1b/2b	Gate Open	Pull Gate and Push Gate Lock	Gate Opens	Won't Open
1c/2c	Gate Close	Release Gate and Gate Lock	Gate Snaps Shut	Won't Close

Table 2 Carabiners

Fig.	Test	Function	Pass ☑	Fail ☒
3a/4a	Gate Lock	Pull Gate Only	Won't Open	Opens
3b/4b	Gate Open	Rotate Twist Lock and Pull	Gate Opens	Won't Open
3c/4c	Gate Close	Release Gate and Twist Lock	Gate Snaps Shut	Won't Close

PID (Product ID) Labels



Note: Date of mfg. (DOM) is the date the SRL was shipped from SAS factory.

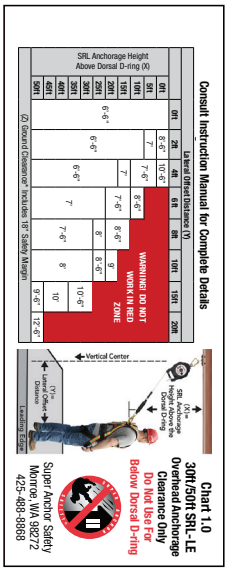
Auxiliary PID Labels

Aux. labels include ground clearance chart 2.0, Spanish instructions and inspection reports. SRL-LE casing labels, pg.15, may get damaged during use rendering critical information unreadable. Aux. labels are protected by the E/A cover.

Energy Absorber (E/A) Cover

Ground Clearance Charts

Overhead Anchorage
Chart 1.0



Below Dorsal D-ring Anchorage
Chart 2.0

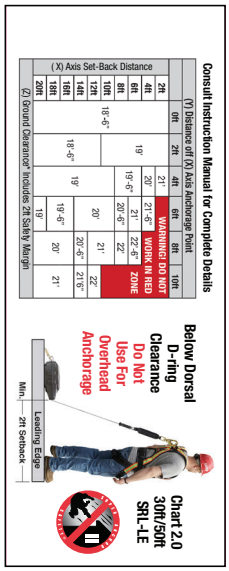
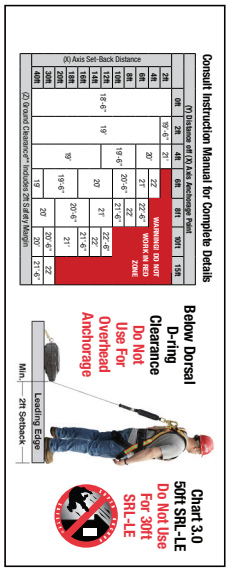
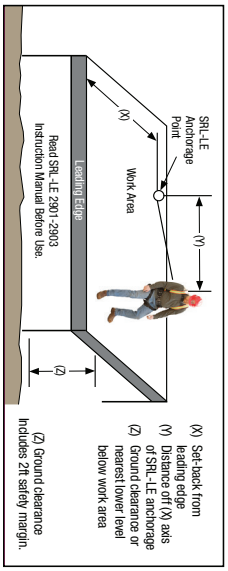


Chart 3.0



X/Y/Z Example



Warnings

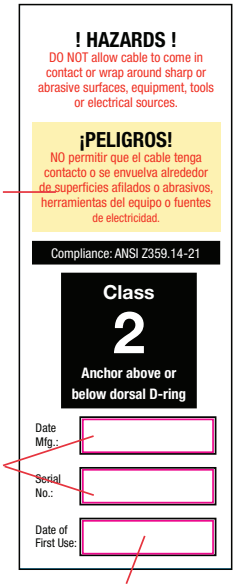
Model Part No. Entered at SAS Factory

Spanish

Spanish

Data Entered at SAS Factory

Hazards

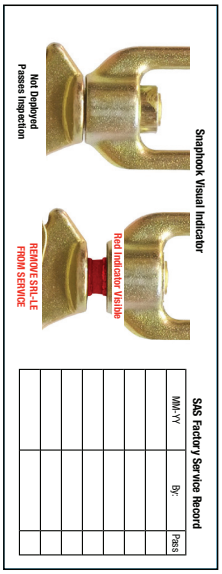


Owner Enters Date

Specifications

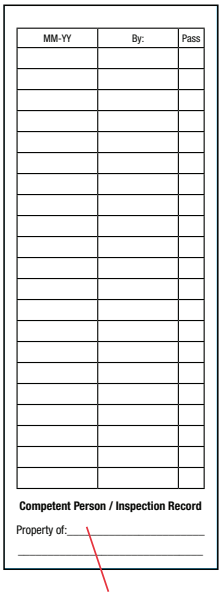
Spanish

Visual Indicator Inspection



Factory Service Record*
**Completed at SAS when SRL is returned for service or repair.*

Competent Person Inspection Record



Owner Information

Inspection Form A-1.0

This form to be completed by a Competent Person. It is recommended to include SRL-LE inspections as part of the owners safety program. For units that do not pass inspections, tag DO NOT USE, and take the following corrective action:

Corrective Action

☐ Returned to SAS factory for service.

Mark RFS box on this form.

- Complete RFSA form C*.
- Required to be shipped in the original box.
- Factory service form E authorizing service will be sent by SAS for owners approval.

☐ SRL was tagged UNUSABLE by the person inspecting the SRL, an authorized person, or safety program administrator, and disposed of in a way that will prevent further use.

Date SRL was sent to SAS factory for service: _____

Model: 2903B-LE30 ☐ 2901B-LE50 ☐ Enter Model not Listed:			
Serial No.	SAS Date of Mfg.	Date of First Use:	Returned to Service Date:
Owner Company:			
Inspection By/ Agency:			Date:
Where Performed:			Certificate No.:

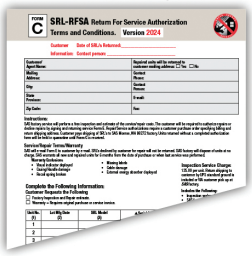
Inspection Point	Part Name	Page A	Notes	Pass ☑	Fail ☒	RFS ☒
▲	Locking Test	10				
❶	Auto-Lock Carabiner	14				
❷	Swivel Connector	10-11-12				
❸	Casing	11-12				
❹	Casing Screws					
❺	Cable Guide					
❻	Cable Grip					
❼	Cable	10-12				
❼	Cable Termination					
❽	E/A Wear Pads	13				
❾	Energy Absorber					
❿	Visual Indicator	10-11				
⓫	Snaphook	14				
⓬	PID Labels	11-15				
⓭	Aux. Labels	13-16				

WARNING! Do not disassemble or attempt to repair an SRL. The internal recoil spring can unwind when the casing is opened resulting in serious injury or death.

Return SRL in the original shipping box with proof of purchase.

Serial No.

Form C Example



Ship To: **Super Anchor Safety**
Attn: SRL Repair Service
17731-147th St SE
Monroe, WA 98272

Note: *Form C is included in this manual see pg A-26. A PDF/Live version is available on SAS website www.superanchor.com

SRL-LE Remove From Service/Return to SAS Factory for Service

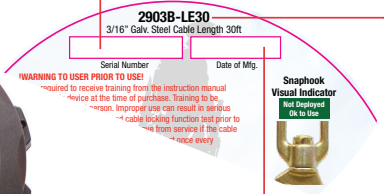
SRL-LE'S removed from service and disposed of by the owner, ANSI Z359.14-21 requires it to be tagged "UNUSABLE" and disposed of in a way that will prevent further use. Unusable units can be returned to SAS for disposal by contacting the service dept.

Primary PID Label

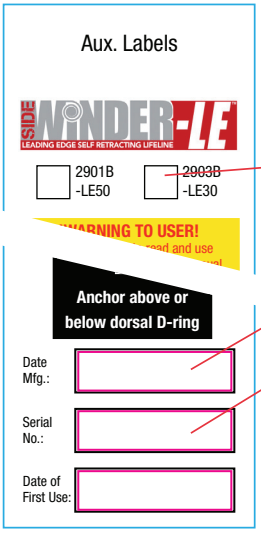
Attach tag with wire or zip tie.

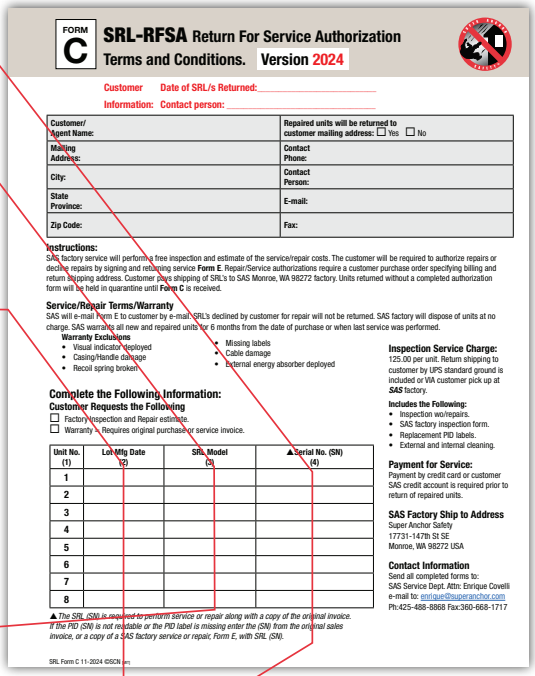
SAS supplied UNUSABLE tags order on request.

Specification Label



Aux. Labels





FORM C **SRL-RFSA Return For Service Authorization Terms and Conditions. Version 2024**

Customer Information: Date of SRL/s Returned: _____ Contact person: _____

Customer/ Agent Name:	Repaired units will be returned to customer mailing address: ☐ Yes ☐ No
Mailing Address:	Contact Phone:
City:	Contact Person:
State Province:	E-mail:
Zip Code:	Fax:

Instructions:
SAS factory service will perform a free inspection and estimate of the service/repair costs. The customer will be required to authorize repairs or decline repairs by signing and returning service **Form E**. Repair/Service authorizations require a customer purchase order specifying billing and return shipping address. Customer pays shipping of SRL's to SAS Monroe, WA 98272 factory. Units returned without a completed authorization form will be held in quarantine until **Form C** is received.

Service/Repair Terms/Warranty
SAS will e-mail Form E to customer by e-mail. SRL's declined by customer for repair will not be returned. SAS factory will dispose of units at no charge. SAS warrants all new and repaired units for 6 months from the date of purchase or when last service was performed.

Warranty Exclusions
- Visual indicator deployed
- Casing/Handle damage
- Recoil spring broken
- Missing labels
- Cable damage
- External energy absorber deployed

Inspection Service Charge:
125.00 per unit. Return shipping to customer by UPS standard ground is included or VIA customer pick up at ***SAS*** factory.

Includes the Following:
- Inspection wo/repairs.
- SAS factory inspection form.
- Replacement PID labels.
- External and internal cleaning.

Payment for Service:
Payment by credit card or customer SAS credit account is required prior to return of repaired units.

SAS Factory Ship to Address
Super Anchor Safety
17731-147th St SE
Monroe, WA 98272 USA

Contact Information
Send all completed forms to:
SAS Service Dept. Attn: Enrique Covelli
e-mail to: enrique@superanchor.com
Ph:425-488-8868 Fax:360-668-1717

Complete the Following Information:
Customer Requests the Following
☐ Factory Inspection and Repair estimate.
☐ Warranty - Requires original purchase or service invoice.

Unit No. (1)	Lot/Mfg Date (2)	SRL Model (3)	▲Serial No. (SN) (4)
1			
2			
3			
4			
5			
6			
7			
8			

▲*The SRL (SN) is required to perform service or repair along with a copy of the original invoice. If the PID (SN) is not readable or the PID label is missing enter the (SN) from the original sales invoice, or a copy of a SAS factory service or repair, Form E, with SRL (SN).*

SRL Form C 11-2024 ©SCN [R]

Factory Service Instructions

- Complete form C, e-mail to SAS.
- Enter SRL ID information from: Casing PID specification label or Aux. labels.
- Ship to SAS factory in original box with a copy of form C.

ANSI Z359.l4-21 warning label included with manual in shipping box.

WARNING: This Class 2 self-retracting device, when attached to a foot-level anchorage, poses significant risk of injury. The user, the competent person and/or qualified person should all acknowledge that normal use of this device **MAY NOT PREVENT A SERIOUS INJURY.**

Failure to follow all manufacturer's instructions and warnings may result in serious injury or death.

122285-01 REV B

Box Label Part No's.

SRL-LE Factory Box

SRL Checkout Log 1.1

Enter: ✓ to confirm inspection passed. X=Didn’t pass.
SRL’s that do not pass inspection remove from service.

			Prior to Use Inspection				Returned	
SRL Model	Date	Workers Name	Cable Lock	❿ Visual Indicator	❶ Carabiner ⓫ Snaphook	⓬ PID Labels	Ok	Damaged

Storage/Maintenance

SRL's are not waterproof and the internal braking system is subject to oxidation if moisture is allowed to accumulate inside the casing. The galvanized cable and connectors will oxidize when exposed to caustic chemicals and salt air environments, especially ocean islands and shorelines. Always store in a dry area hung from the swivel connector or carabiner to allow any moisture to drain.

Following these instructions will extend the service life:

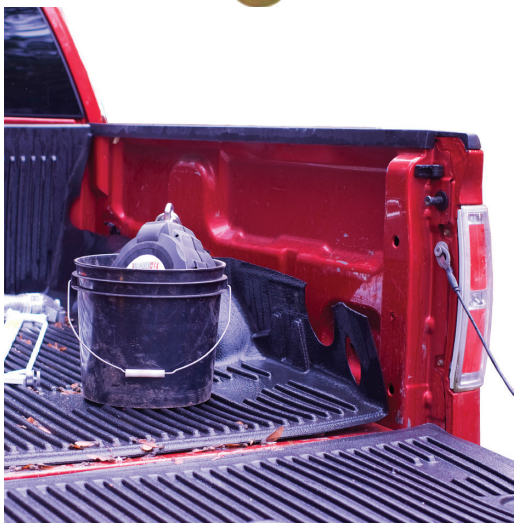
- Never store outdoors, especially in areas exposed to high UV.
- If used in salt air environments, rinse the cable and connectors with fresh water once a week. Deploy cable 100%, rinse and dry.
- If exposed to moisture (rain, snow, high humidity) store in a dry area, preferably heated and not exposed to freezing temperatures.
- Units that have been exposed to moisture all day long, or left outdoors, should be stored in a heated area and allowed to dry.
- Remove from service and store each day the SRL is used.
  Do not leave outdoors exposed to moisture, UV or salt air.
- Do not store in vehicles exposed to open air, such as pick up trucks wo/canopy, truck back racks or under carriage storage boxes or metal storage boxes that are prone to condensation.
- Do not store in containers that will accumulate moisture.
- Keep away from high heat.
- Keep away from chemicals and acids that oxidize metal.
- Never store materials on top of the SRL casing.
- Never use a SRL for towing or suspended work.
  Note: Storage means non-use and not transport.

Warnings!

- Accelerated oxidation from salt air, vog, gypsum dust sulfur, cleaning chemicals and acids.
- SRL's stored for long periods should have a competent person inspection prior to use.
- Do not apply lubricants to the SRL cable, internal casing or connectors.
- Do not clean the cable with chemicals or detergents.
- Do not blow heat into the casing for drying purposes.
- Do not introduce pressured air or water into the casing.
- Do not leave the cable deployed by clamping.
- Do not store flat.

Bucket Storage*

A primary cause of cable and internal brake system oxidation occurs from storing a SRL in a bucket that's allowed to accumulate water or snow.
Ok for transport but not for storage.



Vehicle Transport*

Wet roadways where salt or chemicals are used to remove snow and ice, expose SRL's to a higher degree of oxidation during transport if not protected from thawed moisture.
To prevent this type of exposure, store in a sealed container or inside the vehicle during transport.

**Note: These recommendations are based on storage and transport exposures of SRL's that have been returned to our factory for service.*

Hazards/Non-Specified Use/Rescue

Rescue

OSHA 1910.140(c)(21)/1926.502(d)(20), requires employers to provide a rescue program, prompt rescue for workers who fall and self rescue training.

Recommended Rescue Plan: (See OSHA Website)

- A procedure for safely retrieving a fallen worker.
- Methods for assisted rescue.
  Examples: Bucket or scissor lift, ladder, SRL retrievable.
- Self rescue training requires to suspend a worker and confirm they are able to deploy the equipment successfully.

Cable Wear/Damage

Do not allow the SRL-LE cable to contact a sharp or abrasive edge. To prevent cable damage as shown at Fig.1. anchor the SRL-LE only on the side where work is being performed.

Fig.1

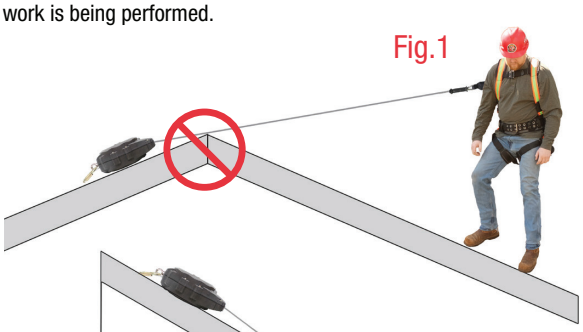
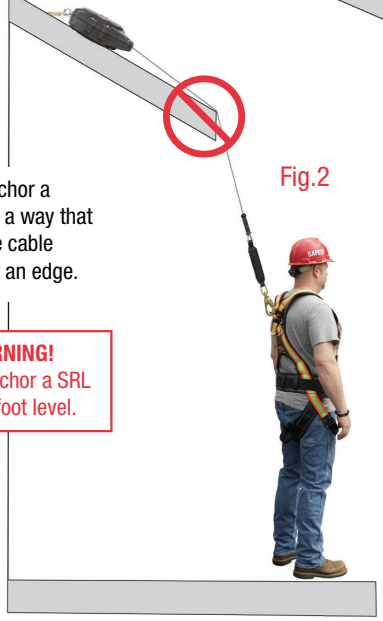


Fig.2



Do not anchor a SRL-LE in a way that allows the cable to contact an edge.

WARNING!
Never anchor a SRL below foot level.

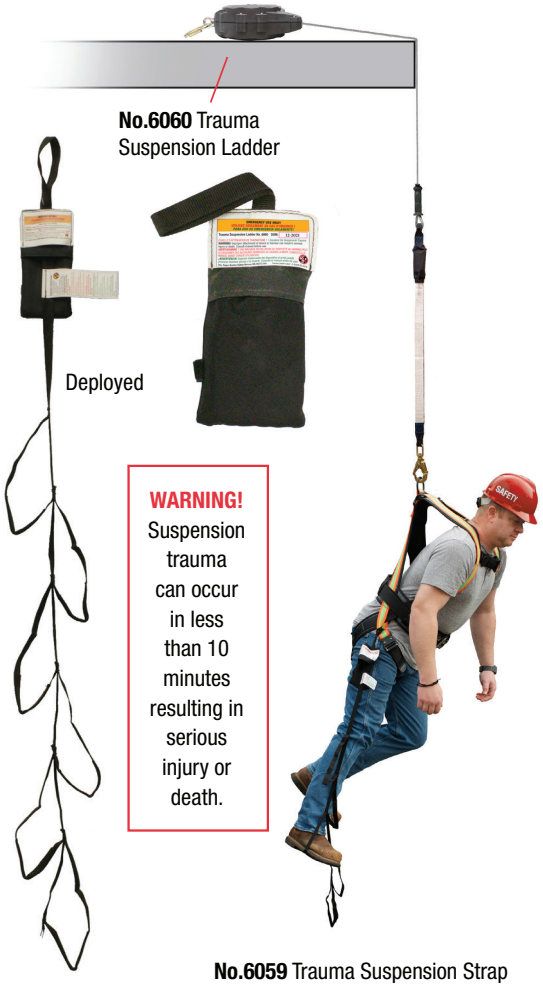
Work Surface Opening

Do not anchor a SRL-LE on the opposite side of an opening or cross the cable over a open stairwell, skylight or access hole.

Fig.3

Suspension Trauma

Sefl rescue involves deployment of a suspension system that temporarily relieves suspension trauma until the worker can be evacuated to safety.



No.6060 Trauma Suspension Ladder

Deployed

WARNING!
Suspension trauma can occur in less than 10 minutes resulting in serious injury or death.

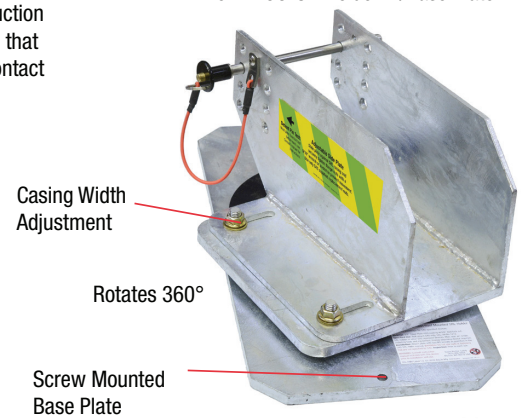
No.6059 Trauma Suspension Strap Requires 2

Suspension ladder or trauma strap, attaches to the harness shoulder or leg strap webbing. Position feet and relieve pressure by lifting body weight with legs.

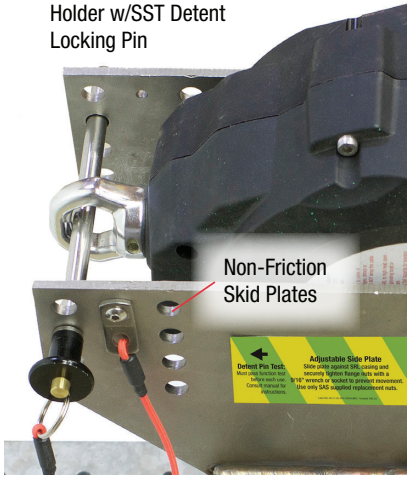
No.1215-CH is a SRL holder and anchorage device fitted with ABS skid plates for 360° non-friction rotation. Holders reduce wear on the SRL casing, cable, cable guide and PID labels by eliminating surface abrasion caused by direct mounting onto construction materials such as asphalt roofing and roof sheathing. Ideal for metal panel roofing that is easily damaged by direct contact with SRL casings. Adjusts to fit most SRL's. Contact SAS sales for unit pricing.

SRL Holder

No.1215C-UH Holder w/Base Plate

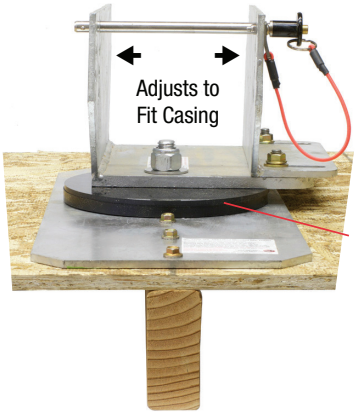


8 Position Adjustable Holder w/SST Detent Locking Pin

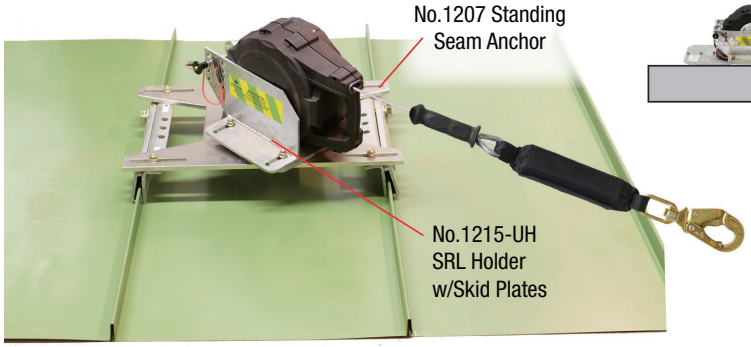


Sloped Surfaces

Wood Top Chord Installs w/5 WS Screws



Standing Seam Metal Roofing



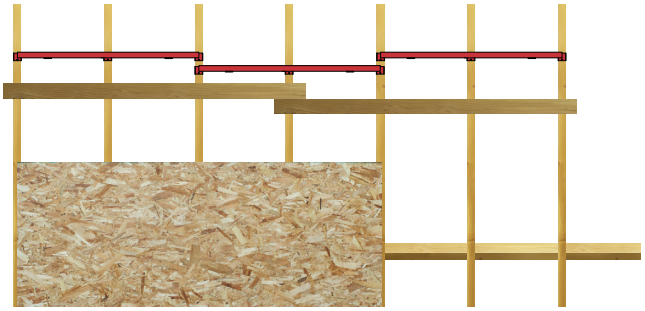
SAS Anchorage for SRL-LE's

Anchors on pages A-23/24/25, are specified for use with SRL-LE's.
Consult ***SAS*** commercial anchor catalog for additional anchor types.
Contact ***SAS*** sales for unit pricing. Website: www.superanchor.com

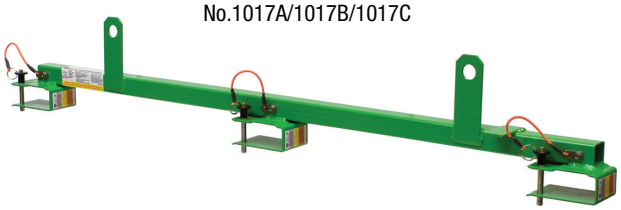
superanchor.com

Top Chord Safety Bars™
No.1010/1011/1012

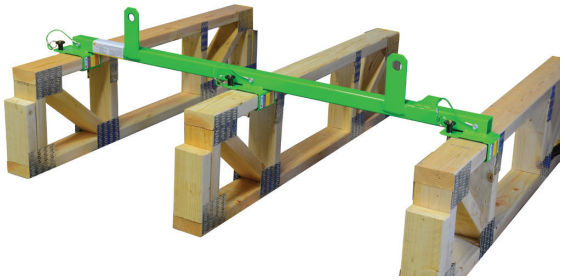
Perfect 24"o.c. spacing. Use single or in series.



Web Joist Safety Bars™
No.1017A/1017B/1017C



Perfect 12"/16"/24"o.c. spacing.



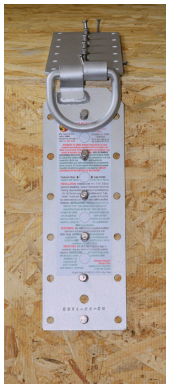
Truss Bars™
No.2833-DP/2833

Perfect 24" spacing.

Hinge-2™
No.3013-D

Wood Top Chord

Attaches w/duplex nails or WS screws.



Metal Decking

Attaches w/Blazer metal screws.

WARNING !

The following types of anchors will deform when subjected to a service load or when tension is applied during use and are not recommended for SRL/SRL-LE anchorage.

Formit, Apex, ARS, D-Minus, Retro-Fit and RS series anchors. Check with anchor instruction manuals for specified use.

SAS Anchorage for SRL-LE's

Tie-off straps are ideal for overhead and below dorsal D-ring anchorage. Cinch type are best for overhead anchorage.
Contact SAS sales for unit pricing.
Website: www.superanchor.com

superanchor.com

Value™ Tie-Off Straps

D-ring + Loop End +Sleeve

Part No.	Length
6055-D	36”
6056-D	48”
6057-D	60”
6058-D	72”

Cinch Type w/Sleeve
Recommended for attachment to steel.

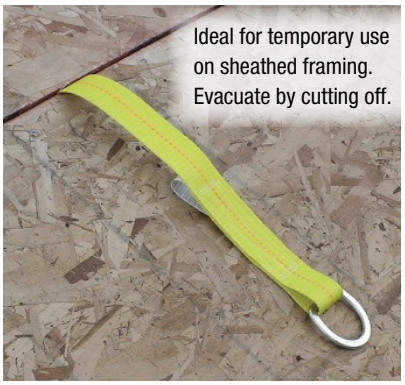
Cinch Type

Value™ Tie-Off Straps

D-ring + Loop End

Part No.	Length
6050-D	36”
6051-D	48”
6052-D	60”
6053-D	72”

Cinch Type



Ideal for temporary use on sheathed framing. Evacuate by cutting off.

Tie-Off Strap

Heavy Duty
D-ring + Loop End

Part No.	Length
3005-C	48”

Cinch Type

SAS Anchorage for SRL-LE's

Permanent and temporary anchors for wood and steel structures. Overhead or below dorsal D-ring installation.
Contact SAS sales for unit pricing.
Website: www.superanchor.com

superanchor.com

Swivel D™ No.1028

D-ShakL™ No.1029

WS TrussBar™ No.2835

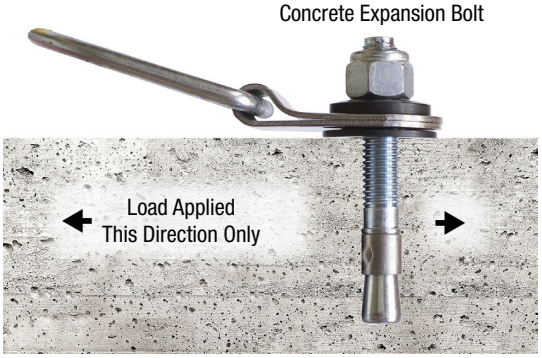
Attic wood top chord installation.
Adjusts 12"/16" and 24"o.c. spacing.

Flex™ No.2100

Must be installed with WS screws for use with SRL's. Ridge mounted allows the SRL to be used on both sides of the ridge.

Overhead or below dorsal D-ring
Bolt Attached

Concrete Expansion Bolt



Overhead or below dorsal D-ring.
Bolt Attached

D-Plate™ No.1037

Overhead or below dorsal D-ring.

Bolt attach to structural steel or concrete expansion bolt.

FORM **C**

SRL-RFSA Return For Service Authorization Terms and Conditions. Version 2024

Customer Information:

Date of SRL/s Returned:_____

Contact person: _____

Customer/ Agent Name:	**Repaired units will be returned to customer mailing address:** ☐ Yes ☐ No
Mailing Address:	**Contact Phone:**
City:	**Contact Person:**
State Province:	**E-mail:**
Zip Code:	**Fax:**

Instructions:

SAS factory service will perform a free inspection and estimate of the service/repair costs. The customer will be required to authorize repairs or decline repairs by signing and returning service **Form E**. Repair/Service authorizations require a customer purchase order specifying billing and return shipping address. Customer pays shipping of SRL's to SAS Monroe, WA 98272 factory. Units returned without a completed authorization form will be held in quarantine until **Form C** is received.

Service/Repair Terms/Warranty

SAS will e-mail Form E to customer by e-mail. SRL's declined by customer for repair will not be returned. SAS factory will dispose of units at no charge. SAS warrants all new and repaired units for 6 months from the date of purchase or when last service was performed.

Warranty Exclusions

- Visual indicator deployed
- Casing/Handle damage
- Recoil spring broken
- Missing labels
- Cable damage
- External energy absorber deployed

Inspection Service Charge:

125.00 per unit. Return shipping to customer by UPS standard ground is included or VIA customer pick up at ***SAS*** factory.

Includes the Following:

- Inspection wo/repairs.
- SAS factory inspection form.
- Replacement PID labels.
- External and internal cleaning.

Payment for Service:

Payment by credit card or customer SAS credit account is required prior to return of repaired units.

SAS Factory Ship to Address

Super Anchor Safety
17731-147th St SE
Monroe, WA 98272 USA

Contact Information

Send all completed forms to:
SAS Service Dept. Attn: Enrique Covelli
e-mail to: enrique@superanchor.com
Ph:425-488-8868 Fax:360-668-1717

Complete the Following Information:

Customer Requests the Following

☐ Factory Inspection and Repair estimate.
☐ Warranty = Requires original purchase or service invoice.

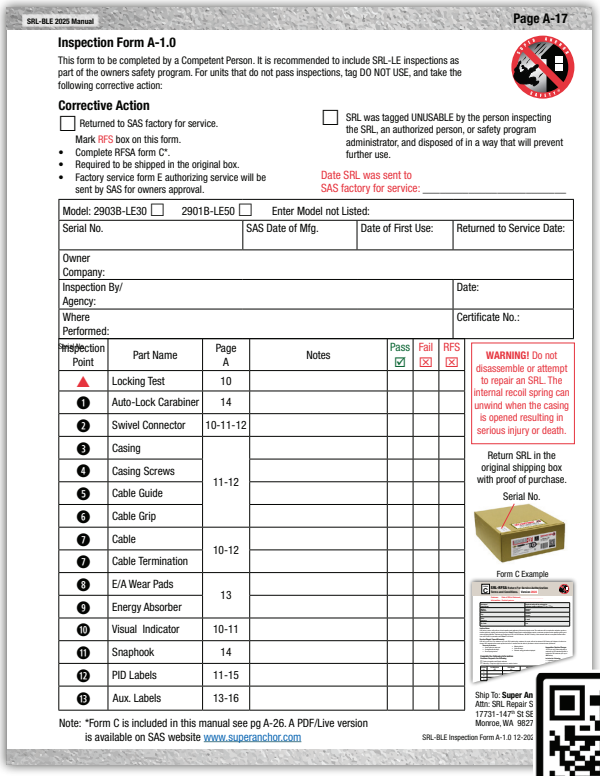
Unit No. (1)	Lot Mfg Date (2)	SRL Model (3)	▲Serial No. (SN) (4)
1			
2			
3			
4			
5			
6			
7			
8			

▲*The SRL (SN) is required to perform service or repair along with a copy of the original invoice. If the PID (SN) is not readable or the PID label is missing enter the (SN) from the original sales invoice, or a copy of a SAS factory service or repair, Form E, with SRL (SN).*

SAS Factory Forms/Manual

Access PDF and live version forms VIA the QR code below or copy from this manual.

Competent Person Inspection Form A-1.0



SRL-BLE 2025 Manual — Page A-17

Inspection Form A-1.0

This form to be completed by a Competent Person. It is recommended to include SRL-LE inspections as part of the owners safety program. For units that do not pass inspections, tag DO NOT USE, and take the following corrective action:

Corrective Action

☐ Returned to SAS factory for service.
Mark RFS box on this form.
- Complete RFSA form C*.
- Required to be shipped in the original box.
- Factory service form E authorizing service will be sent by SAS for owners approval.

☐ SRL was tagged UNUSABLE by the person inspecting the SRL, an authorized person, or safety program administrator, and disposed of in a way that will prevent further use.

Date SRL was sent to SAS factory for service: _____

Model: 2903B-LE30 ☐ 2901B-LE50 ☐ Enter Model not Listed:

Serial No.	SAS Date of Mfg.	Date of First Use:	Returned to Service Date:
Owner Company:			
Inspection By/ Agency:			Date:
Where Performed:			Certificate No.:

Inspection Point	Part Name	Page A	Notes	Pass ☑	Fail ☒	RFS ☒
▲	Locking Test	10				
❶	Auto-Lock Carabiner	14				
❷	Swivel Connector	10-11-12				
❸	Casing	11-12				
❹	Casing Screws					
❺	Cable Guide					
❻	Cable Grip					
❼	Cable	10-12				
❼	Cable Termination					
❽	E/A Wear Pads	13				
❾	Energy Absorber					
❿	Visual Indicator	10-11				
⓫	Snaphook	14				
⓬	PID Labels	11-15				
⓭	Aux. Labels	13-16				

WARNING! Do not disassemble or attempt to repair an SRL. The internal recoil spring can unwind when the casing is opened resulting in serious injury or death.

Return SRL in the original shipping box with proof of purchase.

Serial No.

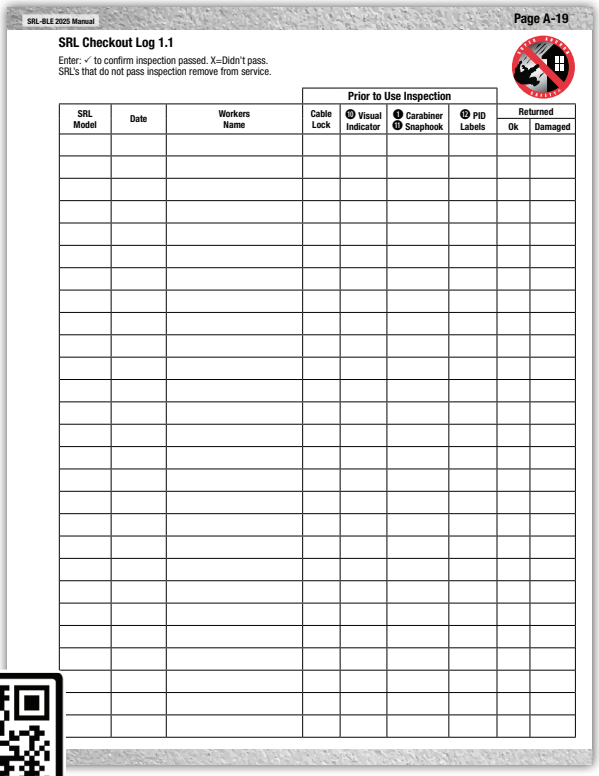
Form C Example

Ship To: **Super An**
Attn: SRL Repair S
17731-147th St SE
Monroe, WA 9827

Note: *Form C is included in this manual see pg A-26. A PDF/Live version is available on SAS website www.superanchor.com

SRL-BLE Inspection Form A-1.0 12-20

SRL Checkout Log A-1.1



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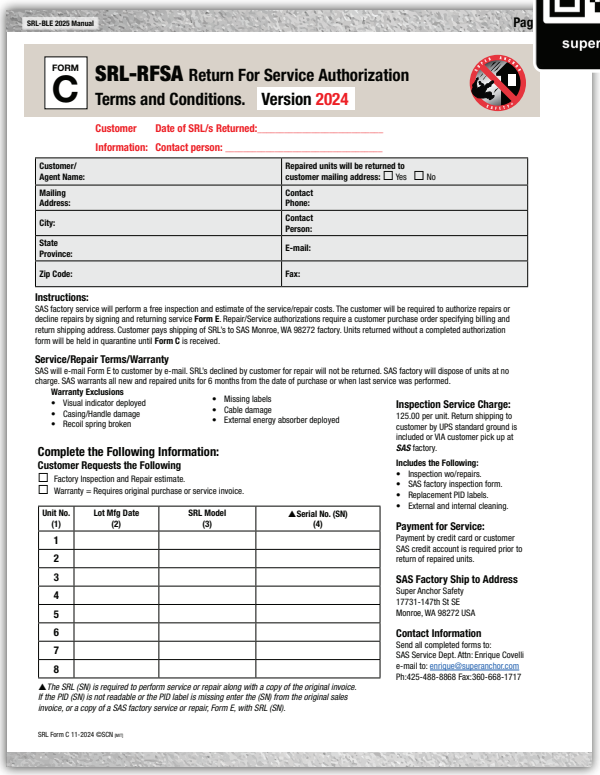
SRL Checkout Log 1.1

Enter: ✓ to confirm inspection passed. X=Didn't pass.
SRL's that do not pass inspection remove from service.

SRL Model	Date	Workers Name	Prior to Use Inspection: Cable Lock	⓾ Visual Indicator	❶ Carabiner ⓫ Snaphook	⓬ PID Labels	Returned: Ok	Returned: Damaged

Return For Service Authorization Form C



SRL-BLE 2025 Manual — Pag

FORM C **SRL-RFSA Return For Service Authorization Terms and Conditions. Version 2024**

Customer Information: Date of SRL/s Returned:_____ Contact person: _____

Customer/ Agent Name:	Repaired units will be returned to customer mailing address: ☐ Yes ☐ No
Mailing Address:	Contact Phone:
City:	Contact Person:
State Province:	E-mail:
Zip Code:	Fax:

Instructions:
SAS factory service will perform a free inspection and estimate of the service/repair costs. The customer will be required to authorize repairs or decline repairs by signing and returning service **Form E**. Repair/Service authorizations require a customer purchase order specifying billing and return shipping address. Customer pays shipping of SRL's to SAS Monroe, WA 98272 factory. Units returned without a completed authorization form will be held in quarantine until **Form C** is received.

Service/Repair Terms/Warranty
SAS will e-mail Form E to customer by e-mail. SRL's declined by customer for repair will not be returned. SAS factory will dispose of units at no charge. SAS warrants all new and repaired units for 6 months from the date of purchase or when last service was performed.

Warranty Exclusions
- Visual indicator deployed
- Casing/Handle damage
- Recoil spring broken
- Missing labels
- Cable damage
- External energy absorber deployed

Inspection Service Charge:
125.00 per unit. Return shipping to customer by UPS standard ground is included or VIA customer pick up at ***SAS*** factory.

Includes the Following:
- Inspection wo/repairs.
- SAS factory inspection form.
- Replacement PID labels.
- External and internal cleaning.

Payment for Service:
Payment by credit card or customer SAS credit account is required prior to return of repaired units.

SAS Factory Ship to Address
Super Anchor Safety
17731-147th St SE
Monroe, WA 98272 USA

Contact Information
Send all completed forms to:
SAS Service Dept. Attn: Enrique Covelli
e-mail to: enrique@superanchor.com
Ph:425-488-8868 Fax:360-668-1717

Complete the Following Information:
Customer Requests the Following
☐ Factory Inspection and Repair estimate.
☐ Warranty = Requires original purchase or service invoice.

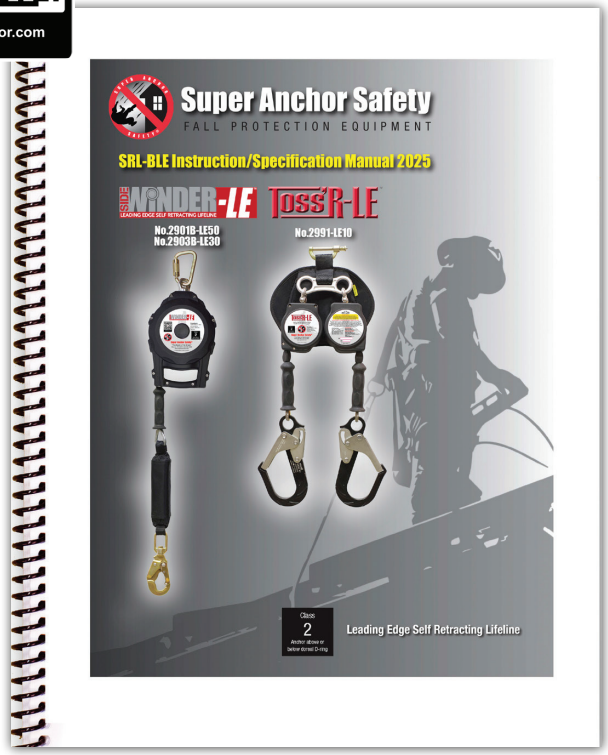
Unit No. (1)	Lot Mfg Date (2)	SRL Model (3)	▲Serial No. (SN) (4)
1			
2			
3			
4			
5			
6			
7			
8			

▲The SRL (SN) is required to perform service or repair along with a copy of the original invoice. If the PID (SN) is not readable or the PID label is missing enter the (SN) from the original sales invoice, or a copy of a SAS factory service or repair, Form E, with SRL (SN).

SRL Form C 11-2024 ©SCN

SCAN ME
superanchor.com

SRL-LE Class 2 Instruction Manual



SAS Accessory Parts

Contact SAS sales team for ordering information.

shelley@superanchor.com
nicole@superanchor.com
todd@superanchor.com
jay@superanchor.com
cassie@superanchor.com

Auto-Lock Carabiners

No.5001-Z
Zinc plated steel

No.5006-Z
Anodized Aluminum

Retail Package

Twin SLR Bracket

No.2996

Remove From Service Labels

No.2997 10 pack

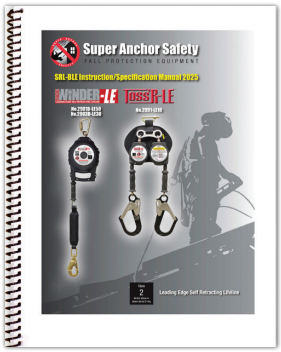
Cargo Bags

No.6420 Large

No.6420U Large Ultra-Viz™

SAS Key Fobs/Ink Pens

Spiral Bound SRL-BLE Manual



No charge on request

Super Anchor Safety
17731-147th St SE Monroe, WA 98272 1-855-301-4575 www.superanchor.com

SRL-LE Twin No.2991-LE10
Instruction/Specification Manual

SRL Specifications

Leading Edge/Overhead Use:
Max. User wt.: 130-310lbs including tools and equipment.
Cable: 3/16" x 10ft length galvanized steel.
Avg. Arrest Force: 1,350lbs
Max. Arrest Force : 1,800lbs
Max. Deceleration Distance: 30"
Min. Setback From Leading Edge: 1ft
Non-Serviceable SRL-LE: Do not return to SAS factory for repair.
Weight: 11lb

PPE/Anchorage Points

PPE: Users are required to wear a full body harness that is compliant with current OSHA 1926.502 fall protection standards. Attach SRL to dorsal D-ring only.

Compliance: ANSI Z359.14-21
Rebarhooks: Z359.12-2019

Leading Edge Use

Max. Free Fall: 5ft
Min. Fall Clearance: 16'-6"
Arrest Distance: 8'-6"

Overhead Use

Max. Free Fall: 2ft
Min. Fall Clearance: 6.5ft

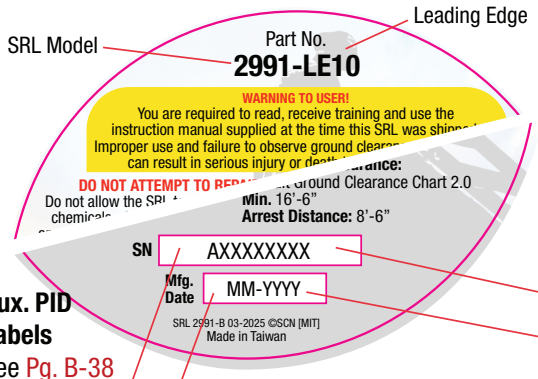
SRL Anchorage: Attach SRL rebarhook/s to an anchorage that is capable of supporting 5,000lb or 2X the intended fall protection load. Min. anchorage strength 3,600lb for an engineered fall protection system.

Service Life and Inspection Requirements
Annual/6 Month: Competent or Qualified person.
Prior to Each Use: Competent person or end users trained to perform inspections by a competent person.

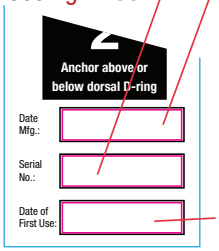
Service Exposure	Approx. Service Life	Min.1 Year	Min. 6 Months	Before Each Use
Indoor/Light	3-5 years	X	N/A	X
Indoor/Heavy	2 years +		X	
Outdoor/Heavy	1-2 years			
Salt Air Exposure	1 year			

Note: Exposure to salt air, water saturation, gypsum and dust reduces the SRL's service life.

PID Product ID Specification Label



Aux. PID Labels
See Pg. B-38



SAS Factory Entered
Mfg. Date
Serial No.

Owner Entered
Date of First Use

Instructions Prior to First Use

- Record the date of first use on the Aux. label.
- Create a service record on form B-2.0. Enter SRL part no., serial no., date of mfg. and date of first use.

Required Inspections

Prior to Each Use:
Pg.B-32 and inspection references.
Competent Person:
Pgs. B-33/34/35/36/37

Inspection Form B-2.0 Pg. B-39

Model: 2991-LE10 ☐ Enter Model not Listed:			Rer
Serial No.	SAS Date of Mfg.	Date of First Use:	Date:
Owner Company:			
Inspection By/ Agency:			Date:
Where Performed:			Certif No.:

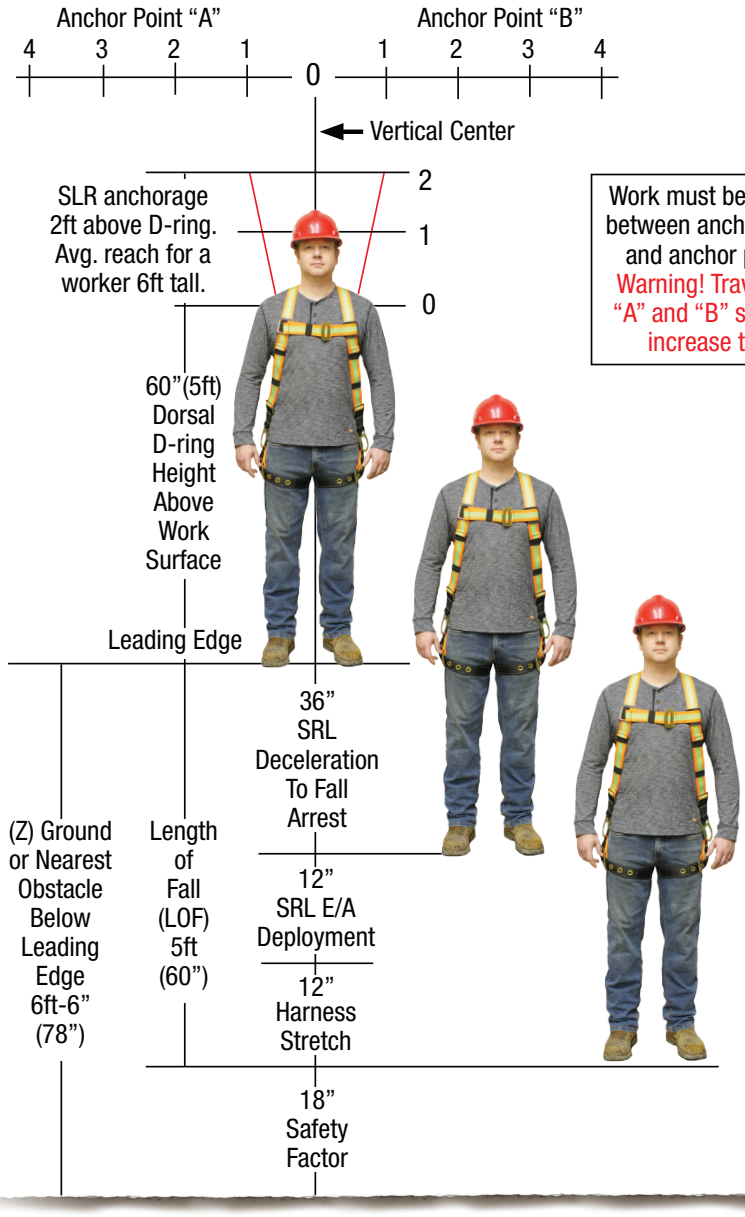
Note: Date of mfg. (DOM) is the date the SRL was shipped from SAS factory.

Overhead Anchorage

Class 2 Twin SLR's are specified for anchorage attachment above, at or below a full body harness dorsal D-ring. Overhead attachment requires anchorage at or above the dorsal D-ring and requires to use Overhead Chart 1.0. Attachment below the dorsal D-ring requires to use chart 2.0. The SRL cable length determines the distance a worker can move to the to left or right off vertical center. For that reason overhead anchorage requires the worker to remain within the spacing of the anchorage points in order to reduce the length of fall (LOF) as shown at example 2.0. Travel outside the spacing distance will increase the LOF.

Twin SRL-LE10 Overhead Anchorage Example 1.0

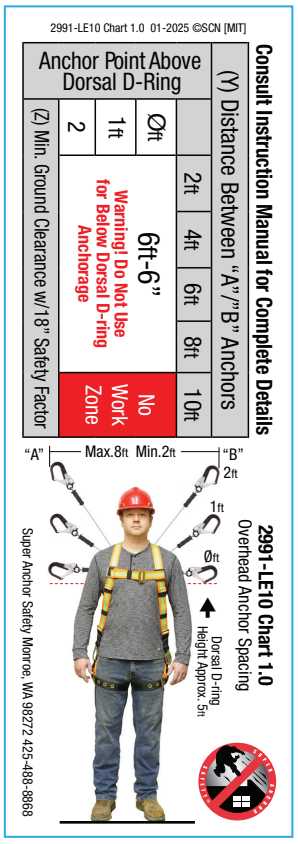
Max. (Y) Spacing Between Anchors 8ft
Setback From Leading Edge Øft
Dimensions shown in ft.



Work must be performed between anchor point "A" and anchor point "B". Warning! Travel outside "A" and "B" spacing will increase the LOF.

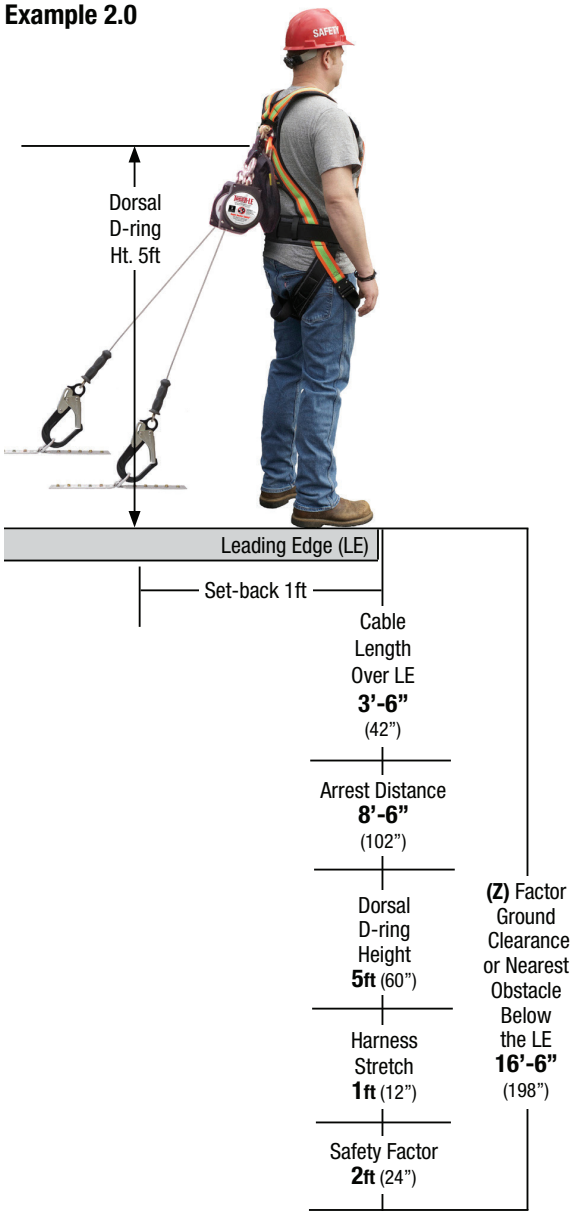
Energy Absorber Back Pack

Aux. Label



Below Dorsal D-ring Anchorage

Example 2.0



Class 2 SRL-LE's are required when anchored at or below the dorsal D-ring which results in a free fall length that is = to the workers dorsal D-ring height above the work zone surface, typically 5ft. SRL-LE 3/16"d. cable's are designed to withstand falls over sharp edges, such as metal decking, structural steel and concrete.

Example 2.0, a worker is exposed to a straight vertical fall over the LE. This is typical for twin SLR applications that reduce swing falls to a minimum when both cables are attached to separate anchor points evenly spaced apart as shown at Example 2.1

(X) Travel away from the LE, reduces the length of fall (LOF) when the setback is 6ft or more from the LE. 10ft length cables restrict travel when setbacks are greater than 8ft or 9ft from the LE. For that reason there is little difference in the LOF when setbacks are at 1ft up to 6ft and the dorsal D-ring height is 5ft. above the work zone surface. Using 15'-6" ground clearance for all setbacks simplifies the (Z) factor to one length.

Care must be taken to avoid contact with the ground or next lower level to avoid serious injury or death in the event of a fall. Strictly adhere the groundclearance chart for below the dorsal D-ring anchorage.

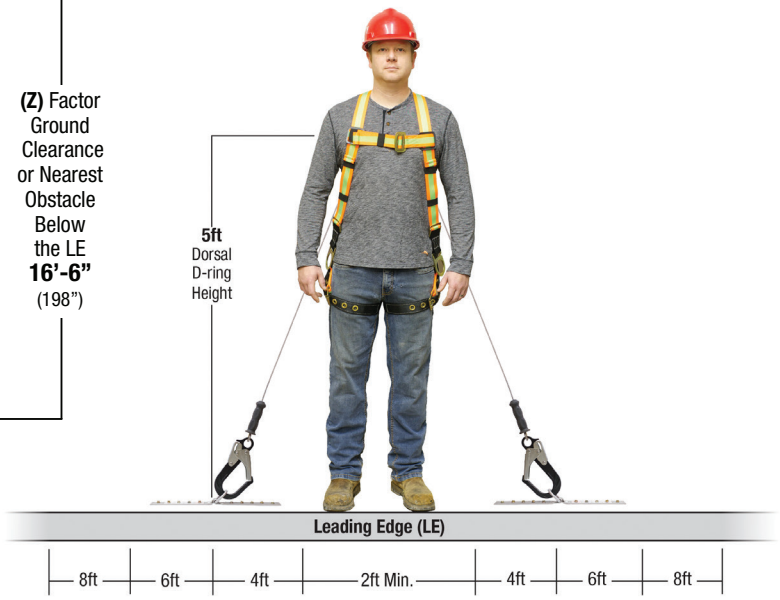


Chart 2.0 2991-LE10 Below Dorsal D-ring

(X)Set-back From Leading Edge	Spacing Between Anchors "A"/"B"				
	2ft	4ft	6ft	8ft	10ft
1ft	16'-6"				NO WORK ZONE
2ft					
3ft					
4ft					
5ft					
6ft					
7ft					
8ft					
(Z)Ground Clearance +2ft Safety Margin					

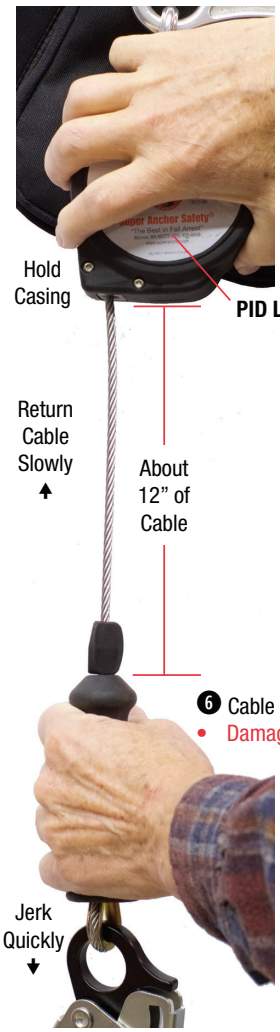
WARNING!
Both SRL cables must be connected to separate anchorage points spaced a min. of 2ft apart as shown on chart 2.0

Note: Single line SRL's are better suited for below dorsal D-ring when a single anchor point is available.

Inspection Guide

Training/Prior to Each Use Inspections: A competent person is required to train users in the operation of the SRL-LE, observing ground clearance chart specifications, how to perform "Prior to Each Use" inspections, demonstrate ability to inspect by example, and what to do if a test fails, or a defect is found during use.

▲ Cable Lock Test



☒ **Failure to Pass Tests/Inspections**
REMOVE FROM SERVICE IMMEDIATELY!
Return the SRL-LE to your employer or person authorized to maintain safety equipment. Report the reason for test failure.

☑ Passes inspection/function tests.

Instructions

Hold casing with one hand and cable grip with the other hand. Slowly deploy about 12" of cable and jerk quickly.

- Cable locks. ☑
- Cable does not lock.* ☒

**Note: The internal brake system may be oxidized due to salt air exposure, or debris inside the casing.*

Cable Retraction Test

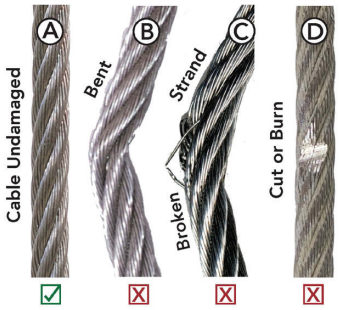
Slowly deploy as much cable as you can, at least 2ft. then slowly return cable to casing.

- Cable returns smoothly. ☑
- Cable does not return smoothly.* ☒

**Note: This may indicate the recoil spring is faulty or debris inside the casing.*

Warning!
During use or when performing locking test, DO NOT release cable. Damage to the recoil spring and internal brake system may occur.

❼ Cable Inspection



Remove From Service

Required Inspection/Function Tests Prior to Each Use

- Cable Lock Test.
- Visual Indicator. Pg. B-34
- Rebarhook. Pg. B-37
- SRL Bracket. Pg. B-36
- PID labels not readable or missing. Pgs. B-38 ☒

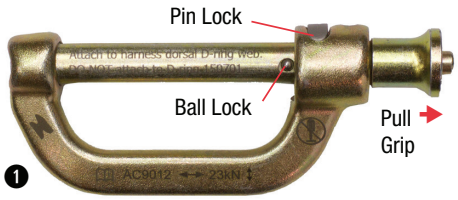
Inspection During Use
Cable should deploy and retract smoothly. During use, inspect cable, if any damage is present. ☒

Cable Lock
Moving too fast will engage the locking function. If locking occurs with normal movement, slow your movement. If locking continues. ☒
Never allow the cable to retract without tension.

Cable Binding
Uneven winding of the cable can result in binding. Deploy a few feet of cable and resume retraction. Failure of cable retraction. ☒

Connector Inspections
Perform inspection/function tests

Dual Lock SRL Bracket



- Does not pass lock test. ☒ Pg. B-36

Rebarhook

- Does not pass lock test. ☒ Pg. B-37

SRL-LE10 Inspection Guide Section B-2

A competent person is required to perform scheduled SRL-LE inspections once every 6 months or based on the frequency of use and environmental conditions. The person or agency performing inspections may add inspection points not included in this manual. Inspections can be recorded on the SAS inspection form B-2.0.

☒ Inspection fails remove from service and dispose of in a way that will prevent further use or return to SAS for disposal. Non-serviceable.

☑ Pass inspection. Take corrective action as noted.

▲ **Cable Lock Test**
Pg. B-32 test fails. ☒

❶ **SRL Bracket:**
Pg. B-36 inspection/locking test fails. ☒
Replace bracket. ☑

❷ **Shackle Swivel Connector:**
Pg. B-35
Does not rotate freely. ☒

❸ **Casing Inspection:**
Pg. B-35
Gouges, cuts or cracks. ☒
Casing sides separating. ☒
Tar, caulking, concrete, dirt present, clean the casing. ☑

❹ **4 Casing Screws Required:**
Pg. B-35
Missing screws. ☒

❺ **Cable Guide:**
Pg. B-35
Deep gouges from cable abrasion. Missing guide. ☒
Remove any debris from guide. ☑

❻ **Cable Grip:**
Pg. B-35
Missing or severely damaged. ☒

❼ **Cable/Cable Termination:**
Pg. B-35
Eye thimble missing. ☒
Cable damaged/missing swages ☒

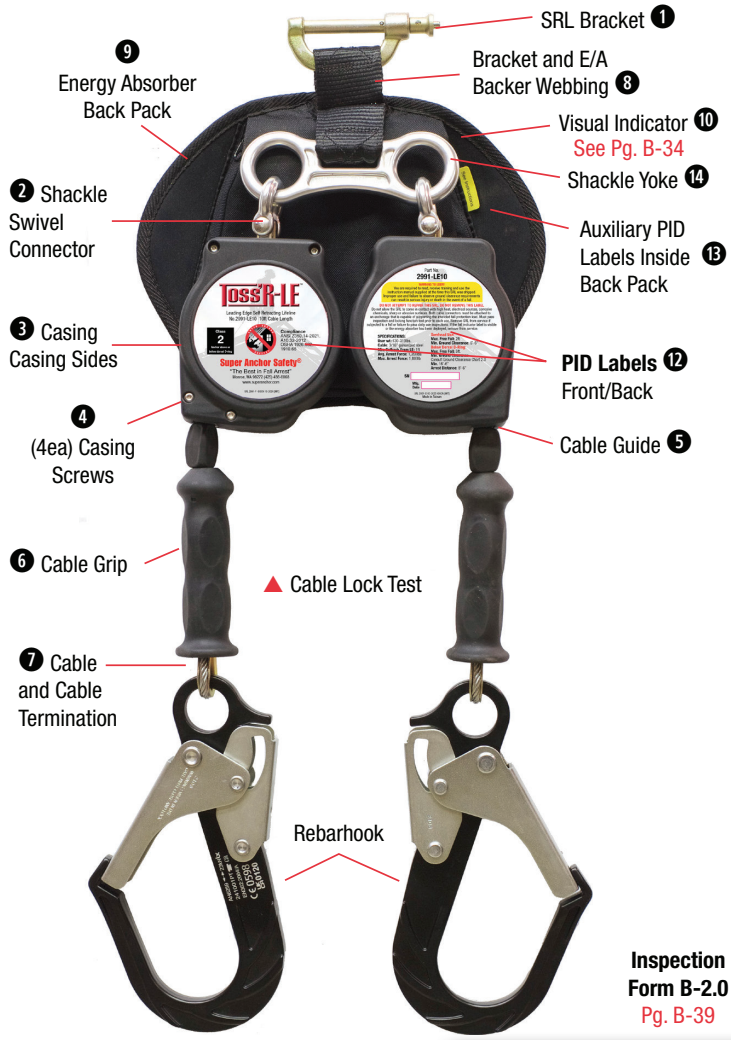
❽ **Bracket and E/A Webbing**
Pg. B-34
Webbing damaged. ☒

❾ **Energy Absorber:**
Pg. B-34
Tear webbing deployed. ☒

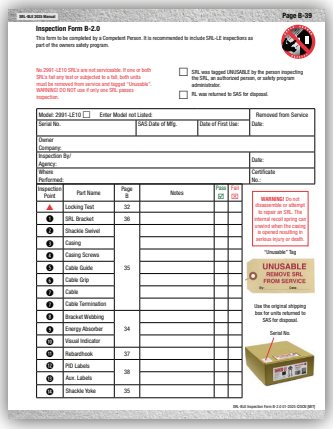
❿ **Visual Indicator:**
Pg. B-34
Indicator label visible. ☒

⓫ **Rebarhook:**
Pg. B-37 inspection/locking tests fail. ☒

⓬ **PID Front/Back Casing Labels**
Pg. B-38
Any part of the label is missing. ☒
Data not readable. ☒



Inspection Form B-2.0
Pg. B-39



⓭ **Auxiliary Labels:**
Pg. B-38
Labels are missing. ☒
Data not readable. ☒

⓮ **Shackle Yoke**
Pg. B-35
Cuts, gouges, cracks. ☒

Energy Absorber Inspection

The TossR-LE twin yoke is attached to a backpack type energy absorber(E/A). The internal white tear webbing will deploy when subjected to a free fall or a force of approx. 450-650lb exposing a visual indicator.

Fig.1
Service Position

The E/A backpack is attached to the harness webbing where it passes thru the D-plate webbing.

Fig.2
Interior Inspection

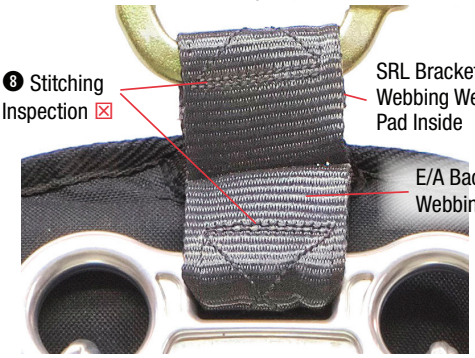
Warning! Do not remove or disturb the E/A webbing from their elastic keepers during inspection or when accessing aux. PID labels.

Inspection Procedure

E/A inspection to be performed by a competent person.
Note that opening the backpack will expose the E/A webbing and it must not be disturbed. Consult referenced inspection pages for additional information.
☒=Remove from service. ☑=Passes Inspection
Warning! Do not salvage parts subjected to a free fall.

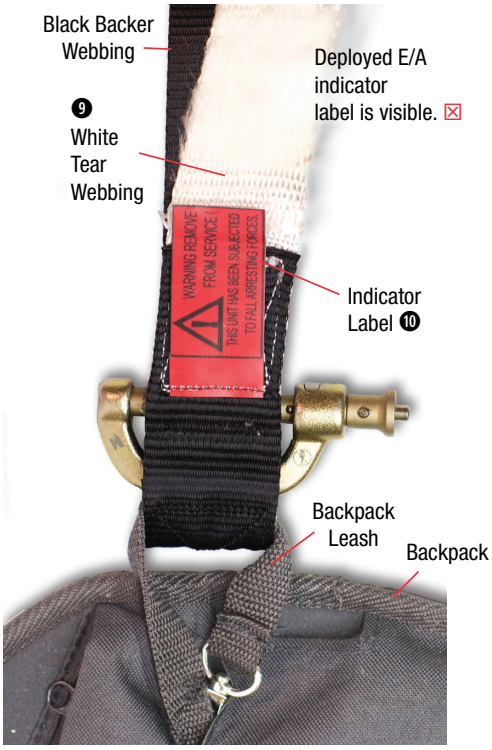
- Remove SRL from harness.
- SRL bracket must pass function test. See page B-36
- Rebarhooks must pass function test. See page B-37

Fig.3
E/A Webbing Inspection



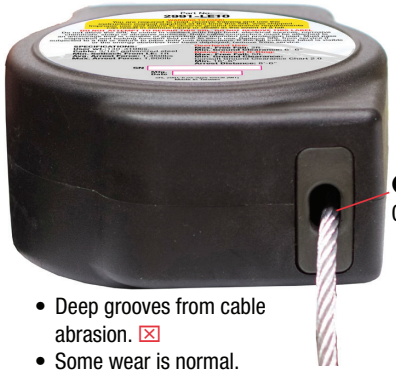
- Backer webbing stitching is broken or separated from bracket webbing. ☒
- Bracket webbing wear pad is worn thru. ☒

Fig.4
Visual Indicator Label
E/A Subjected to a Free Fall.



Casing/Yoke Bracket/Cable Inspection

Cable Guide Inspection:



- Deep grooves from cable abrasion. ☒
- Some wear is normal.

Casing Screws

Shackle Yoke/Swivel

- Yoke cracks or deep gouges. ☒

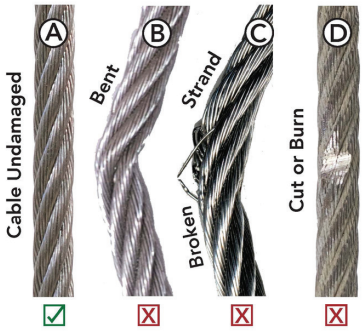
Swivel Connector

- Does not rotate freely. ☒
- Rivet pins not intact or loose. ☒

Casing

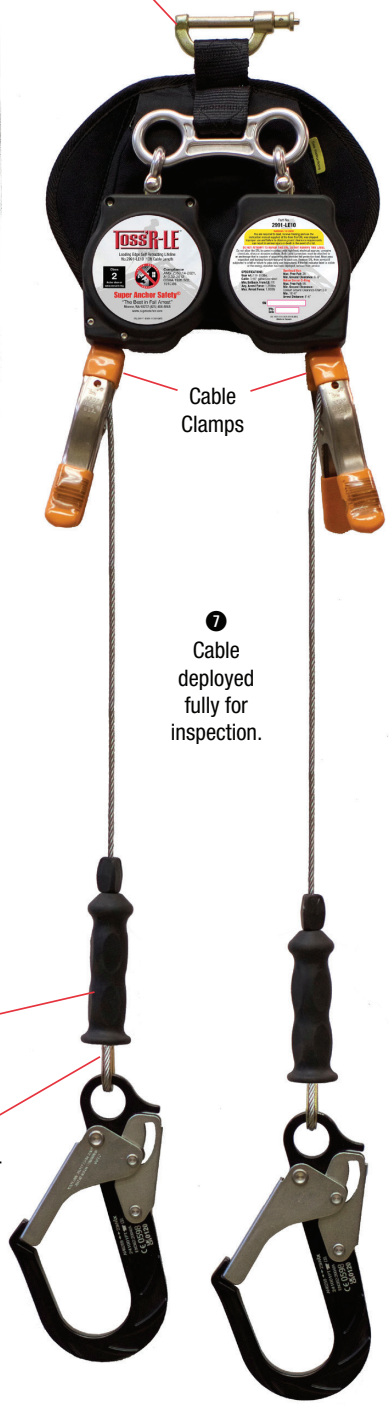
- Gouges, cuts or cracks. ☒
- Casing sides separating. ☒
- Casing screws missing. ☒

❼ Cable Inspection.



Cable/Grips/Eye Thimble

❶ SRL Bracket
see pg. B-36



❻ Cable Grip
- Missing or severely damaged. ☒

❼ Cable Termination
- Eye thimbles missing or cable damage. ☒

Rebarhooks

⓫ See pg. B-37

Cable Deployment

Use a soft surface wood clamp or other means to hold cable position. Do Not use vise-grips or metal clamps that may damage the cable.

Dual Lock SRL Bracket

Perform lock test prior to use. If lock test fails remove from service and replace.

1) Fig.1, pull ball lock grip. Pin won't open pass ☑ Pin opens fail ☒.
2) Fig.2,3, depress lock button and pin lock together and pull to unlock. Pin opens pass ☑ Pin won't open fail ☒.

Fig.1 Locked Position

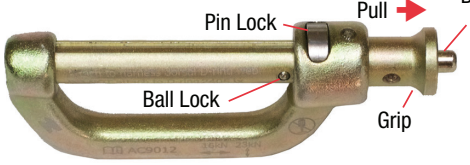


Fig.2

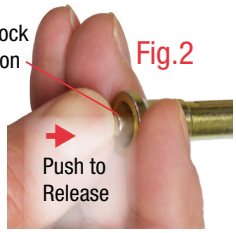


Fig.3 Unlocking SRL Bracket

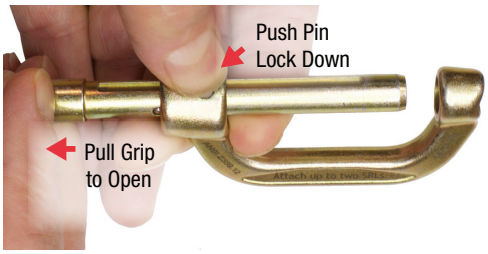


Fig.4 Unlocked Position

Fig.5 Bracket Locking

Harness Attachment

Harnesses with a D-ring roller Fig.6, or D-plate webbing sewn to the harness frame, Fig.11, may require to rotate the D-ring and roller out from the D-pad webbing, Figs.7,8. Harness with adjustable D-pads, Fig.10, feed webbing thru D-pad slots to provide room for the SRL bracket pin.

Fig.6 Bracket Won't Fit

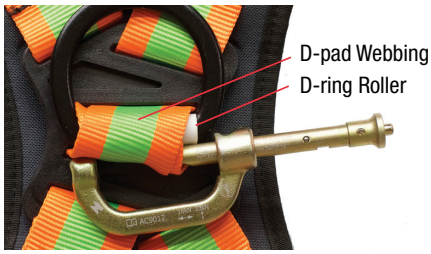
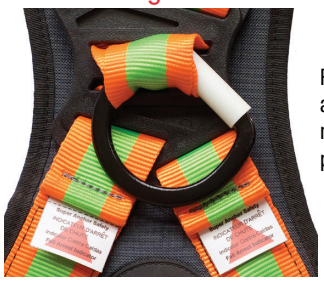


Fig.7



Rotate D-ring and roller from normal service position.

Fig.8

SRL bracket ready to insert.

Return D-ring and roller to normal service position when SRL is not attached

Fig.9

SRL bracket attached. Must insert under both webbing layers.

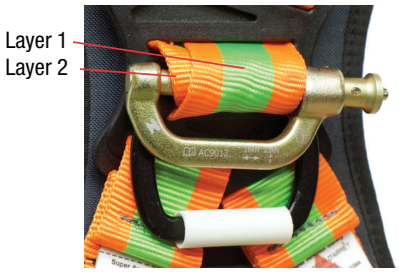


Fig.10

Adjustable D-pad.

Insert SRL bracket under both webbing layers.

D-ring normal service position.

Fig.11

Twin SRL attached thru D-pad webbing

Rebarhook Function Tests

Class 1 rebarhook gates are designed to remain closed during use. Two separate functions are required to unlock rebarhook gates. Perform function tests and inspections prior to each use and at least once a year by a competent person.

Gate Locks/Rivets/Deformation

Gates and gate locks are spring loaded and will snap shut when no force is applied. If they fail to close when released, remove from service. All gate rivets must be intact to pass inspection.Inspect both sides of the rivets. Visually inspect the rebarhook hook for perfect alignment with the hook lock.

Oxidation/Rust

Anodized coatings will deteriorate due to UV exposure and abrasion. Zinc plating will rust due to salt air and chemical exposure. Wear of the surface coatings do not require to remove from service, provided inspection and function tests pass and no visible damage is present.

Hook and Gate Lock Alignment

Aluminum Rebarhooks

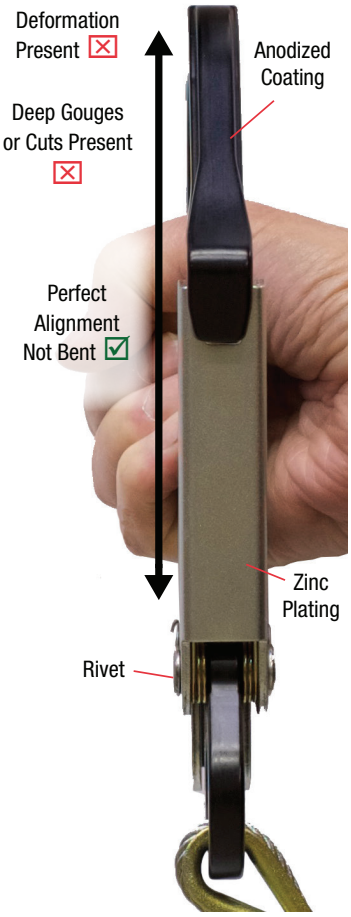


Table 1 Rebarhooks

Fig.	Test	Function	Pass ☑	Fail ☒
1a	Gate Lock	Pull Gate Only	Won't Open	Opens
1b	Gate Unlock	Pull Gate Push Gate Lock	Gate Opens	Won't Open
1c	Gate Lock	Release Gate and Gate Lock	Gate Snaps Shut	Won't Close

Casing Labels

Primary

Toss'R-LE™

Leading Edge Self Retracting Lifeline
No.2991-LE10 10ft Cable Length

Class 2
Anchor above or below dorsal D-ring

Compliance
ANSI Z359.14-2021,
A10.32-2012
OSHA 1926.502,
1910.66

Super Anchor Safety®
"The Best in Fall Arrest"
Monroe, WA 98272 (425) 488-8868
www.superanchor.com

SRL 2991-F @SCN 10-2024 [MIT]

Specifications

Part No.
2991-LE10

WARNING TO USER!
You are required to read, receive training and use the instruction manual supplied at the time this SRL was shipped. Improper use and failure to observe ground clearance requirements can result in serious injury or death in the event of a fall.

DO NOT ATTEMPT TO REPAIR THIS SRL. DO NOT REMOVE THIS LABEL
Do not allow the SRL to come in contact with high heat, electrical sources, corrosive chemicals, sharp or abrasive surfaces. Both cable connectors must be attached to an anchorage that is capable of supporting the intended fall protection load. Must pass inspection and locking function test prior to each use. Remove SRL from service if subjected to a fall or failure to pass daily use inspections. If the fall indicator label is visible or the energy absorber has been deployed, remove from service.

SPECIFICATIONS:
User wt.: 130-310lbs.
Cable: 3/16" galvanized steel
Min. Setback From LE: 1ft
Avg. Arrest Force: 1,350lbs
Max. Arrest Force: 1,800lb

Overhead Use:
Max. Free Fall: 2ft
Min. Ground Clearance: 6'-6"
Below Dorsal D-Ring:
Max. Free Fall: 5ft.
Min. Ground Clearance:
Consult Ground Clearance Chart 2.0
Min. 16'-6"
Arrest Distance: 8'-6"

SN AXXXXXXXX
Mfg. Date MM-YYYY

SRL 2991-B 03-2025 ©SCN [MIT]
Made in Taiwan

Auxiliary PID/Specification Labels

Access these labels inside the energy absorber pack. See Pg. B-34.

Ground Clearance

Overhead

2991-LE10 Chart 1.0 01-2025 ©SCN [MIT]

Consult Instruction Manual for Complete Details

Anchor Point Above Dorsal D-Ring	(Y) Distance Between "A"/"B" Anchors				
(Z) Min. Ground Clearance w/18" Safety Factor	2ft	4ft	6ft	8ft	10ft
Øft	6ft-6" Warning! Do Not Use for Below Dorsal D-ring Anchorage				No Work Zone
1ft					
2					

2991-LE10 Chart 1.0
Overhead Anchor Spacing

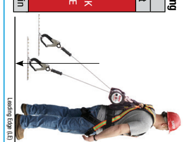
Super Anchor Safety Monroe, WA 98272 425-488-8868

Below Dorsal D-ring

2991-LE10 Chart 2.0 02-2025 ©SCN [MIT]

Chart 2.0 2991-LE10 Below Dorsal D-ring

(X)Set-back From Leading Edge	Spacing Between Anchors "A"/"B"				
(Z)Ground Clearance +2ft Safety Margin	2ft	4ft	6ft	8ft	10ft
1ft	16'-6"				NO WORK ZONE
2ft					
3ft					
4ft					
5ft					
6ft					
7ft					
8ft					



WARNING! Both SRL cables must be connected to an anchorage capable of supporting the intended fall protection load. DO NOT USE THIS SRL WITH ONLY 1 CABLE CONNECTED TO AN ANCHORAGE.

Warning/ Instruction/Specifications

2991-LE10 Aux 1ES 12-2024 ©SCN [MIT]

Toss'R-LE™
No.2991-LE10

!WARNING TO USER!
You are required to read and use the Instruction/Specification manual supplied at the time this device was shipped. Improper use and installation can result in serious injury or death. Follow inspection requirements before each use.

¡ADVERTENCIA AL USUARIO!
Se requiere leer y utilizar el manual de Instrucción/Especificación proveído en el momento de envío de este dispositivo. El uso e instalación inadecuados puede resultar en lesiones graves o la muerte. Seguir los requisitos de inspección antes de cada uso.

BEFORE EACH USE:
Perform inspection and cable locking tests as specified in the manual. Observe ground clearance charts X/Y and Z specifications.

ANTES DE CADA USO
Realizar la inspección y las pruebas de bloqueo del cable como se especifican en el manual. Siga los gráficos de especificaciones para la distancia libre al suelo X/Y y Z.

2991-LE10 Aux 2ES 12-2024 ©SCN [MIT]

! HAZARDS !
DO NOT allow cable to come in contact or wrap around sharp or abrasive surfaces, equipment, tools or electrical sources.

¡PELIGROS!
NO permitir que el cable tenga contacto o se envuelva alrededor de superficies afilados o abrasivos, herramientas del equipo o fuentes de electricidad.

Compliance: ANSI Z359.14-21

Class 2
Anchor above or below dorsal D-ring

Date Mfg.:
Serial No.:
Date of First Use:

2991-LE10 Aux 3ES 12-2024 ©SCN [MIT]

Overhead Anchorage
- Max. Free Fall: 2ft
- Arrest Distance: 36"
- Min. Ground Clearance: 6.5ft

Horizontal Anchorage
- SRL-LE at or Below the Harness Dorsal D-ring
- Max. Free Fall: 5ft
- Min. Ground Clearance: 16'-6"
- Arrest Distance: 8'-6"

Leading Edge (LE) Specifications:
- User wt.: 130-310lbs
- Max. Arrest Force: 1,800lb
- Avg. Arrest Force: 1,350lb
- Min. Setback From LE: 1ft

Cumple con las normas:
ANSI Z359.14-21 Clase 2 SRL-LE

Anclaje Aereo
- Caída Libre Max.: 2ft
- Distancia de Detención: 36"
- Distancia Min. al suelo: 6.5ft

Anclaje Horizontal
- Cuerda auto retráctil LE ubicada sobre o debajo del anillo D dorsal del arnés.
- Caída libre Max.: 5ft
- Distancia Min. al suelo: 16'-6"
- Distancia de Detención: 8'-6"

Especificaciones para el Frente de Trabajo (LE):
- Peso del Usuario: 130-310lbs
- Fuerza Max. de Detención: 1,800lb
- Fuerza Promedio de Detención: 1,350lb
- Distancia Min. al LE: 1ft

SAS Factory Entered
Date of Mfg. (DOM)
Serial No.
End User Enters
Date of First Use
MM-YYYY

Inspection

Both SRL's Passed Inspection

MM-YY	By:	Pass

Competent Person / Inspection Record

Property of:______________________

Fall Indicator

Energy Absorber Back Pack

Inspection Form B-2.0

This form to be completed by a Competent Person. It is recommended to include SRL-LE inspections as part of the owners safety program.

No.2991-LE10 SRL's are not serviceable. If one or both SRL's fail any test or subjected to a fall, both units must be removed from service and tagged "Unusable". WARNING! DO NOT use if only one SRL passes inspection.

☐ SRL was tagged UNUSABLE by the person inspecting the SRL, an authorized person, or safety program administrator.

☐ RL was returned to SAS for disposal.

Model: 2991-LE10 ☐ Enter Model not Listed:			Removed from Service
Serial No.	SAS Date of Mfg.	Date of First Use:	Date:
Owner Company:			
Inspection By/ Agency:			Date:
Where Performed:			Certificate No.:

Inspection Point	Part Name	Page B	Notes	Pass ☑	Fail ☒
▲	Locking Test	32			
❶	SRL Bracket	36			
❷	Shackle Swivel	35			
❸	Casing				
❹	Casing Screws				
❺	Cable Guide				
❻	Cable Grip				
❼	Cable				
❼	Cable Termination				
❽	Bracket Webbing	34			
❾	Energy Absorber				
❿	Visual Indicator				
⓫	Rebardhook	37			
⓬	PID Labels	38			
⓭	Aux. Labels				
⓮	Shackle Yoke	35			

WARNING! Do not disassemble or attempt to repair an SRL. The internal recoil spring can unwind when the casing is opened resulting in serious injury or death.

"Unusable" Tag

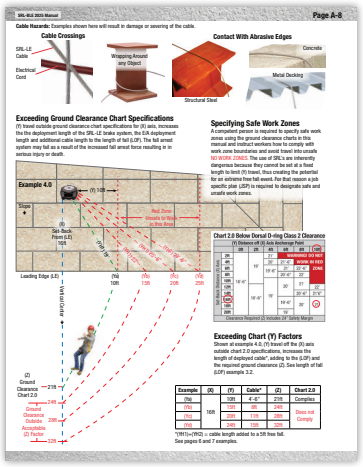
Use the original shipping box for units returned to SAS for disposal.

Serial No.

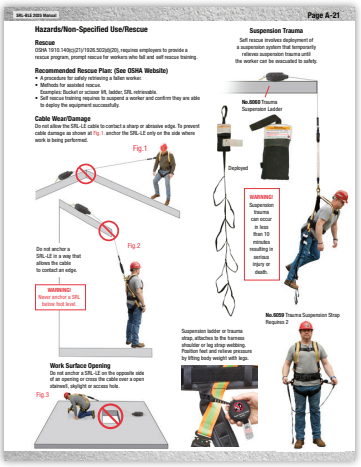
A-Page References

Consult the following pages for 2991-LE10 additional instructions:

A-8 Hazard Warnings



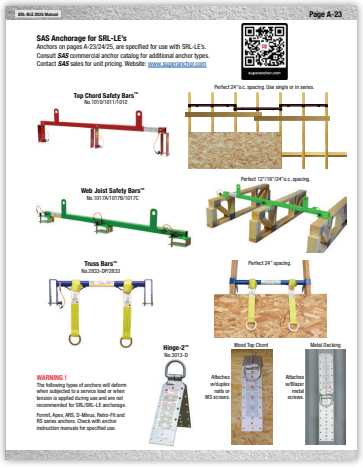
A-21 Hazards Non-Specified Use/Rescue



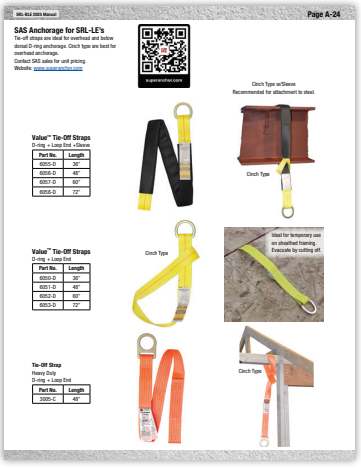
A-20 Maintenance

Anchorage Devices

A-23

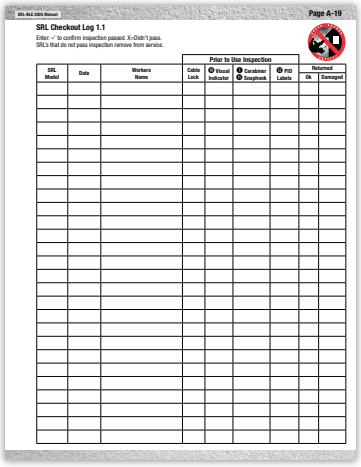


A-24

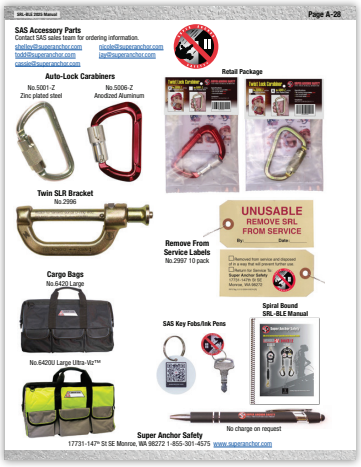


A-25

A-19 Checkout Log



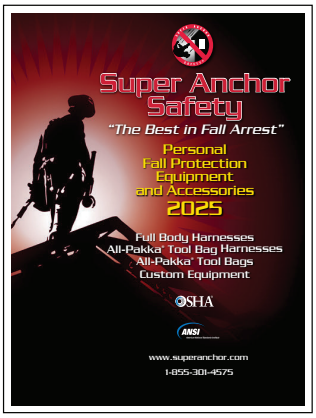
A-28 Accessories

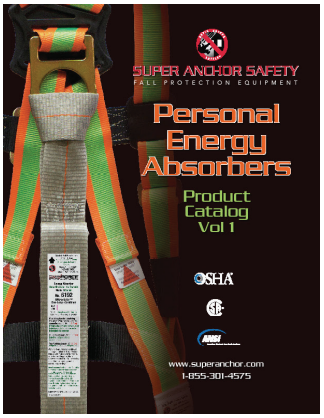


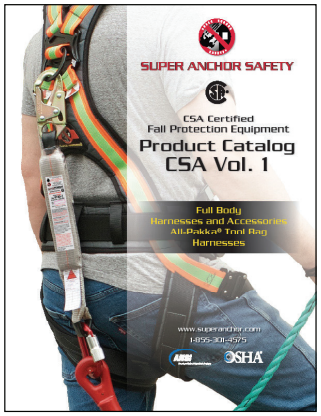
Catalogs and Instruction Manuals

Fall Protection Equipment Catalogs

Check on line for other product catalogs and updates. Request hard copies by e-mail or download from our website: www.superanchor.com.







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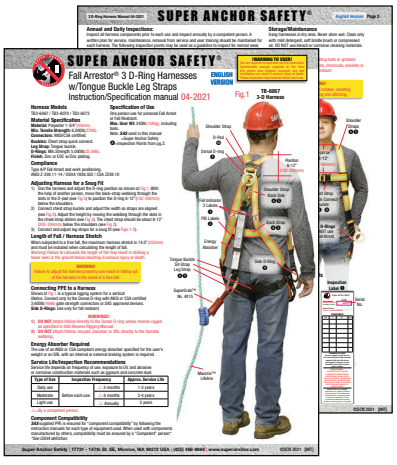

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