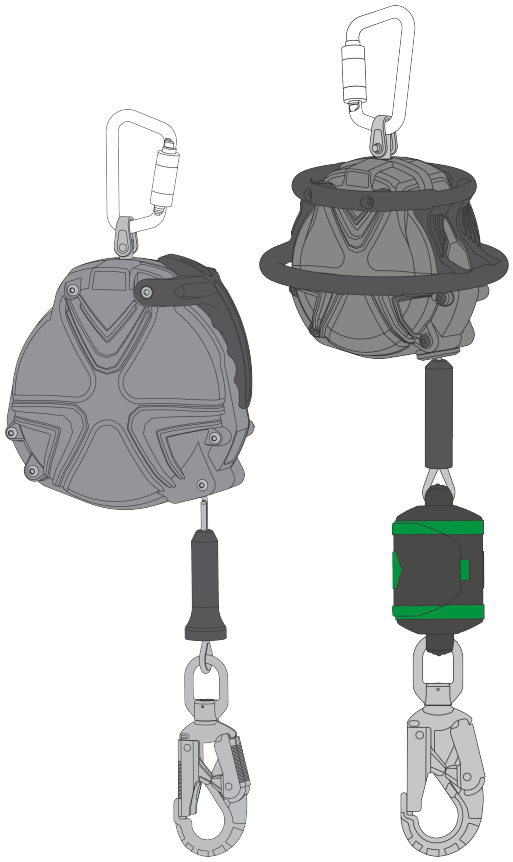


User Instructions

V-TEC®, V-TEC® Synthetic, and V-TEC® EDGE SRLs

Fall Protection

Order No.: 10246815/01 (ABNT/IRAM)

Print Spec: 10000005389 (EO)

CR: 800000076092

WARNING!

These instructions must be provided to users before use of the product and retained for ready reference by the user. Read this manual carefully before using or maintaining the device. The device will perform as designed only if it is used and maintained in accordance with the manufacturer's instructions. Otherwise, it could fail to perform as designed, and persons who rely on this device could sustain serious injury or death.

The warranties made by MSA with respect to the product are voided if the product is not installed and used in accordance with the instructions in this manual. Please protect yourself and your employees by following the instructions.

Please read and observe the WARNINGS and CAUTIONS inside. For additional information relative to use or repair, call 1-800-MSA-2222 during regular working hours.

MSA is a registered trademark of MSA Technology, LLC in the US, Europe and other Countries. For all other trademarks visit https://us.msasafety.com/Trademarks.

The Safety Company

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Phone 1-800-MSA-2222
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For your local MSA contacts, please go to our website www.MSAsafety.com

Distribuido por: MSA do Brasil

Av. Roberto Gordon, 138 - Diadema - SP - 09990-901

Tel.: (55 11) 4070-5999

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1 Safety Regulations

⚠ WARNING!

User Requirements

- Users of Self Retracting Lifelines (SRLs) shall be medically fit and suitably trained.
- SRLs shall not be used by pregnant women, minors or those under the influence of alcohol or drugs.
- For single user only, within manufacturer's specified weight range, including user, clothing, and tools.
    - The weight of the user (including tools) shall be within 60 kg to 140 kg
- It is essential for user safety that equipment is withdrawn from use immediately if any doubt arise about its condition for safe use. If the equipment has been used to arrest a fall, do not use again until confirmed in writing by a competent person that it is acceptable to do so.

Anchor Requirements / Swing Fall / Fall Clearance

- The anchorage must be capable of supporting the required load. See Section 2.2 Product Specifications, and 3.2 Product Specifications for details on anchorage strength.
- Ensure that the available fall clearance is equal to or greater than the fall clearance required in Section V-TEC, V-TEC Synthetic, and V-TEC EDGE SRLs Fall Clearance Charts.
- Remove any surface contamination such as, but not limited to concrete, stucco, roofing material, etc. that could accelerate cutting or abrading of components.
- For use in accordance with acceptable locations as shown in Section 2.3 Fall Clearance Charts, and 3.3 Fall Clearance Charts. The user shall consider any risks posed by swing falls.
- Swing falls can increase fall distance. In overhead applications, work directly under the anchorage. In horizontal (leading edge) applications, minimize the horizontal offset. Increasing the horizontal offset or angle from the true vertical, will increase the amount of swing fall and the free-fall distance. Always remove obstructions in or adjacent to the fall path. Keep work area free from debris, obstructions, trip hazards, spills, or other hazards which could impair the safe operation of the fall protection system. For horizontal applications DO NOT use the device unless a qualified person has inspected the workplace and determined that the identified swing fall hazards have been eliminated or exposures to them prevented.

Product Use

- SRLs are only to be used for their intended purpose and within their limitations. DO NOT intentionally misuse this product. DO NOT use fall protection equipment for purposes other than those for which it was designed. DO NOT use fall protection equipment for towing, hoisting, or material handling.
- This device does not need to be treated as a personal issue item. However, each user that uses the SRL must complete all necessary pre-use checks. The device must pass these inspections with every change of user. All other pre-use check and periodic examination requirements, as dictated in the manual, must be followed.
- SRLs shall not be altered or added to. No unauthorized repairs, modifications, alterations and/or additions are permitted. Only MSA or persons or entities with written authorization from the manufacturer may make repairs to the SRL.
- RESCUE AND EVACUATION: the user must have a rescue plan and the means at hand to implement it. The plan must take into account the equipment and specific training necessary to affect prompt rescue under all foreseeable conditions.
- DO NOT rely on feel or sound to verify proper connector engagement. Ensure the connector is closed before use.
- Additional lanyard connectors shall not be added, as this would serve to lengthen the lifeline and increase free fall.
- Anchors shall only be connected to the swivel at the top of the housing. DO NOT connect an anchor to the carrying handle on the housing.

- Unsuitable for use on unstable surfaces, fine grain materials or particulate surfaces such as sand or coal, as insufficient speed may prevent lock-on in the event of a fall (possible engulfment hazard).
- DO NOT use where line may be exposed to sharp, jagged or abrasive edges. For leading edge guidance, see Section 3.4 Leading Edge Installation and Use.
- SRLs shall not come into contact with hot surfaces (such as hot pipes), become entangled with moving machinery, or come into contact with electrical hazards (such as high voltage power lines).
- SRLs shall be protected from fire, acids, caustic solutions, or temperatures outside the range -40°F to 130°F (-40°C to 54°C).
- DO NOT leave the SRL installed in environments which could cause damage or deterioration to the product. Refer to the care details in Section 7 Cleaning and Storage and inspection details in Section 6 Pre-Use Checks and Periodic Examinations.
- Instructions shall be retained and provided to all users of SRLs in the language of the destination country, even when resold.
- DO NOT exceed the maximum fall arrest forces as specified by governing standards or subsystem components.
- Use of combinations of components or subsystems, or both, may affect or interfere with the safe function of the components or subsystems. Use only compatible components or subsystems; never add additional length to the system.

Leading Edge-Specific Product Use

- The V-TEC EDGE SRLs anchorage point shall be at the user's foot level or above.
- Use in edge situations should only be as a last resort. Leading edge configurations shall only be used after all other hierarchy of controls, including restraint systems and overhead anchorages, have been exhausted.
- Product label indicates whether or not a product is capable of being used in leading edge applications.
- Avoid working where the lifeline will continuously or repeatedly abrade against sharp, jagged, or abrasive edges.
- Do not work on the far side of an opening opposite the anchorage point or around corners.
- Leading edge configurations shall only be used in accordance with local regulations.
- In leading edge applications with 0 ft (0 m) setback, ensure that setup does not allow housing unit or top connector to contact leading edge in the event of a fall.

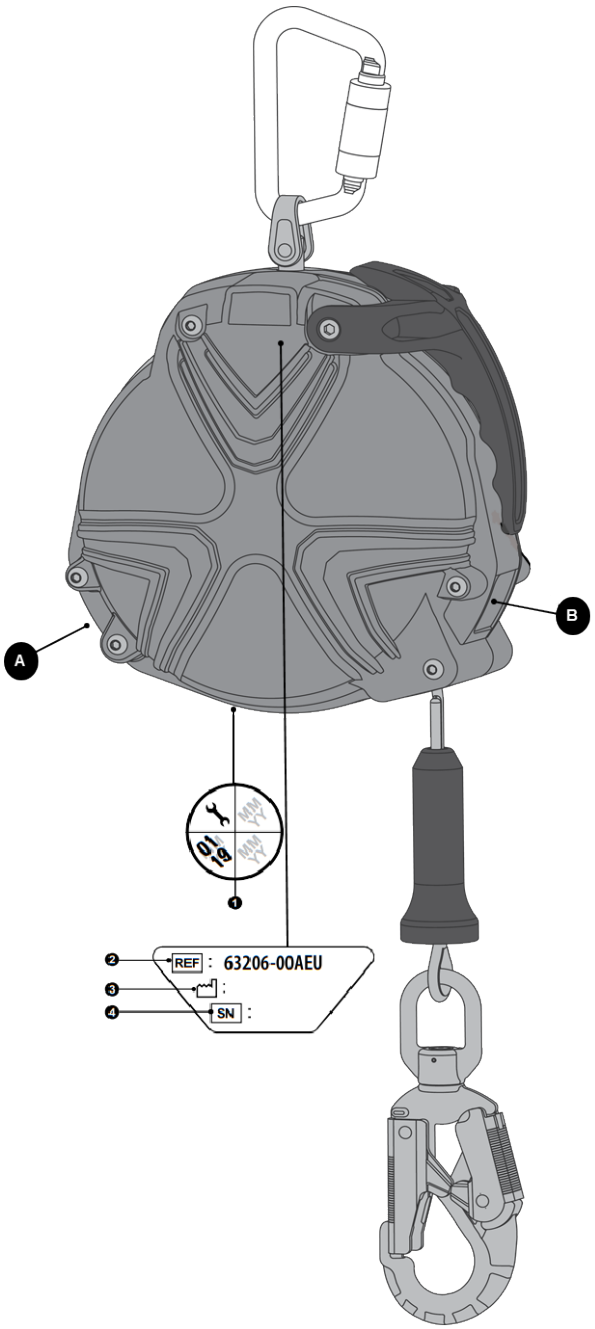
Inspection/Removing Product From Service

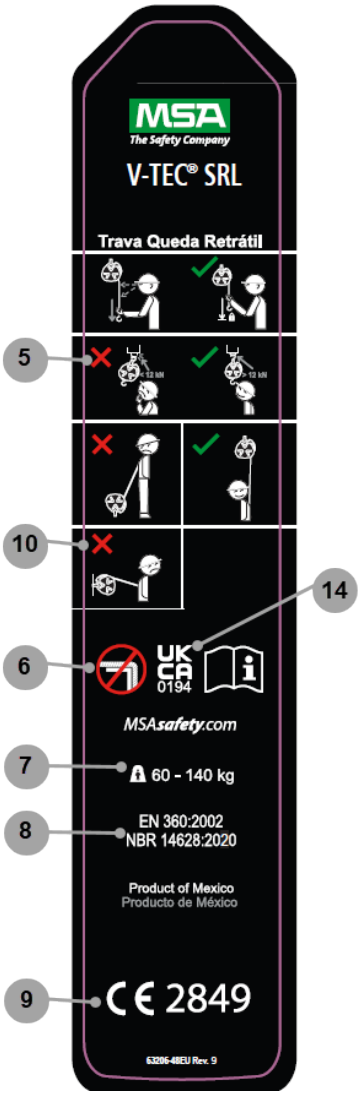
- SRLs that have arrested a fall or are unable to pass an inspection shall be tagged “UNUSABLE" until it has been destroyed and disposed of in accordance with local regulations.
- Due to the nature of some fall arrest events, it is possible for the load indicator to not deploy. In the event that a SRL is subjected to fall arrest forces and the load indicator does not deploy, the SRL still must be removed from service and marked as “UNUSABLE” until it has been destroyed and disposed of in accordance with local regulations.
- If the load indicator is deployed, immediately remove the SRL from service and mark it as “UNUSABLE” until it has been destroyed and disposed of in accordance with local regulations

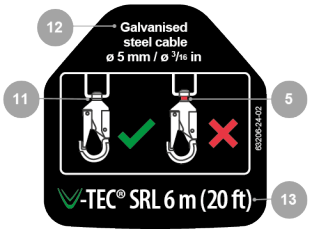
Failure to follow these warnings can result in serious personal injury or death.

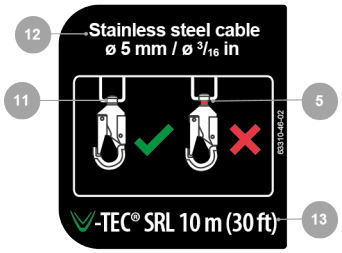
2 V-TEC SRL / V-TEC Synthetic SRL

2.1 Labels and Icons









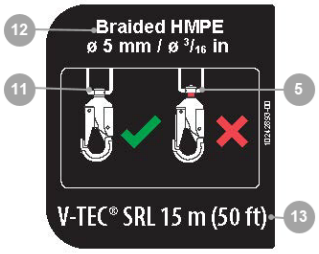


Table 1

A	Case Label Location (ABNT / IRAM)
B	Lifeline Label Location (Galvanised / Stainless Steel / Braided HMPE)
1	Date of Next Examination
2	Model Number
3	Date of Manufacture MM/YY
4	Serial Number
5	Load Indicator Deployed - DO NOT USE
6	Do Not Use Over an Edge
7	Capacity
8	Standard
9	Notified Body Number
10	Product Warning
11	Load Indicator Location
12	Lifeline Construction
13	Length

2.2 Product Specifications

Component	EN / NBR / ABNT / IRAM
Anchorage Connector Standard	EN 795* and / or TS 16415 / NBR 16325:2024 / IRAM 3605
Harness Standard	EN 361* / NBR 15835:2020 / NBR 15836:2020 / IRAM 3605
Connectors Standard	EN 362* / NBR 15837:2020
Structure Strength	12 kN
Retractable Type Fall Arrester / Self Retracting Lanyard	EN 360:2023 / NBR 14628:2020
Energy Absorber	NBR 14629:2020

This personal protective equipment (PPE) complies with European Regulation (EU) 2016/425 and the PPE Regulation (EU) 2016/425 as retained in UK Law and amended*.

** Considering harmonized/designated EN standards.*

2.2.1 V-TEC SRL / V-TEC Synthetic SRL Materials

Component	Material
Case	Polycarbonate
Drum	PC-ABS / Aluminium / Stainless steel (7 m, 10 m, 15 m)
Chassis, pawls, locking mechanism, swivel, main spring	Stainless Steel
Lifeline	5 mm galvanized steel, stainless steel, or HMPE
Connectors	Steel

NOTE: The product may comply with standards shown. See product label for specific compliance information. Those designated with a certification mark are listed with the corresponding agency as compliant to the applicable standard.

2.3 Fall Clearance Charts

V-TEC SRL / V-TEC Synthetic SRL

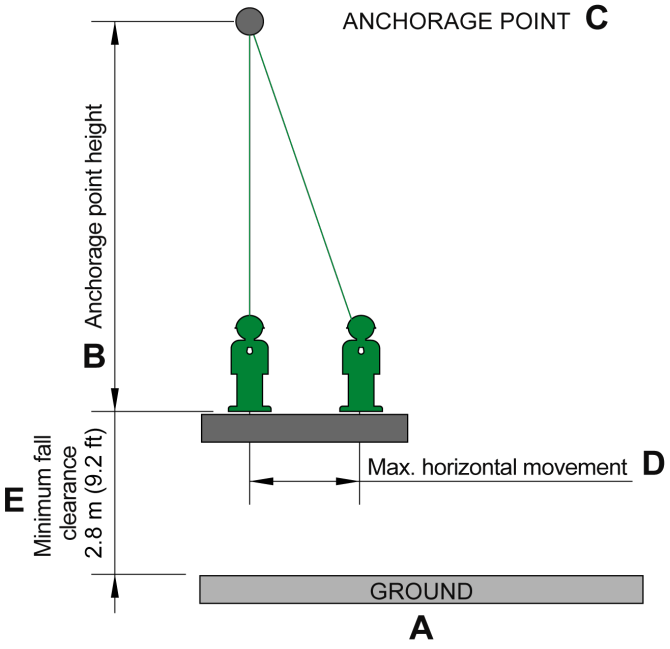
Ensure sufficient clearance exists to prevent striking an obstacle or leading edge (e.g. crossbeams and girders) during a fall. Insufficient clearance, obstructions and leading edges can prevent the function of the V-TEC SRL and V-TEC Synthetic SRL. To reduce the risk of a swing fall, it is preferable to anchor directly overhead.

The minimum fall clearance is 2.8 m. Fall clearance is calculated as the vertical distance between the working platform and the first obstacle below (such as the next platform or ground).

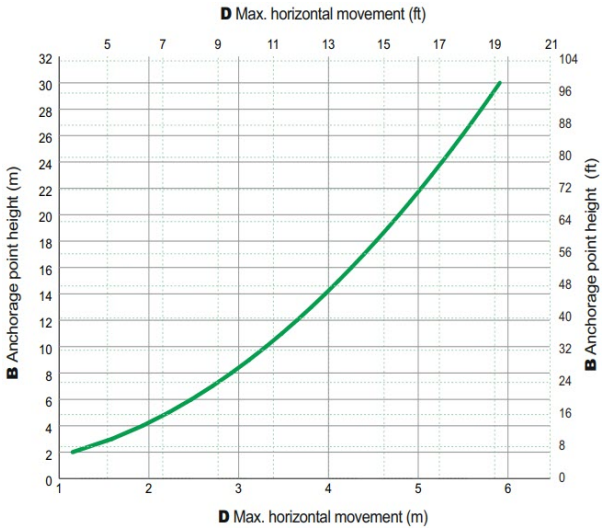
The V-TEC SRL and V-TEC Synthetic SRL are suitable for use on approved horizontal lifelines or rigid anchors. If the V-TEC SRL or V-TEC Synthetic SRL is attached to an anchor that may deflect or deploy in a fall, such as a deadweight anchor or anchor line, the additional deployment of that device shall be included as a safety margin to the minimum clearances. For further clarification on determining suitable fall clearances, contact MSA.

To reduce the potential for injury in a fall, the fall distance should be minimized.

Acceptable Anchor Locations



A - Ground
B - Anchorage Point Height
C - Anchorage Point
D - Max. Horizontal Movement
E - Minimum Fall Clearance



3 V-TEC EDGE SRL

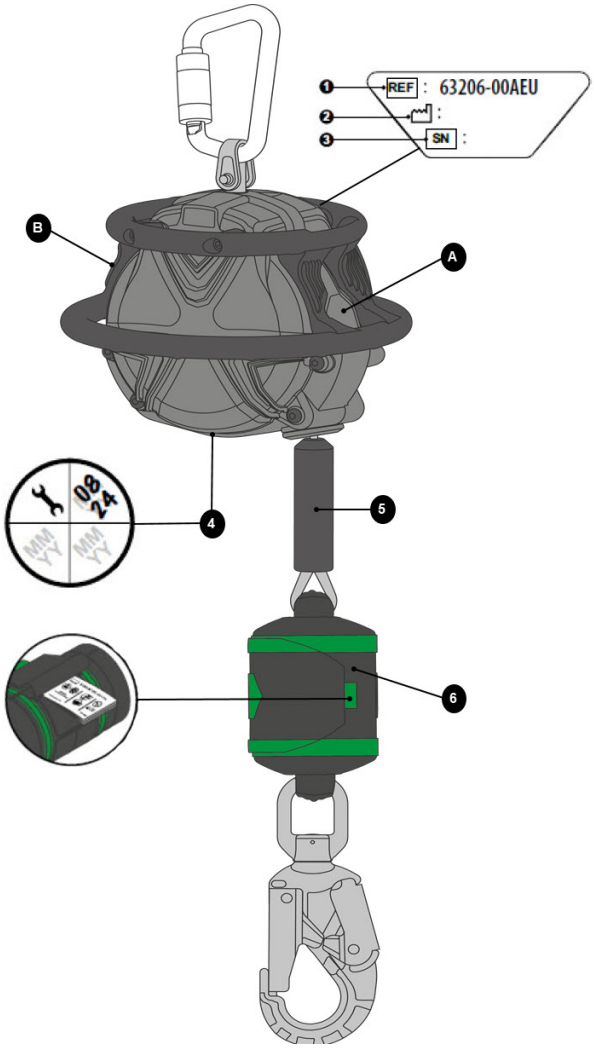
Description

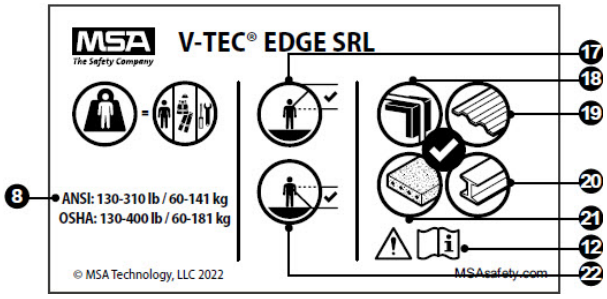
The V-TEC EDGE SRL Retractable Fall Arrester is a fall protection device that features an automatic locking function and an automatic retraction mechanism that keeps the retractable lifeline under tension. V-TEC SRLs are intended for use as a connecting element between a full-body safety harness and an anchorage point, and are designed for applications with a risk of falls from low heights.

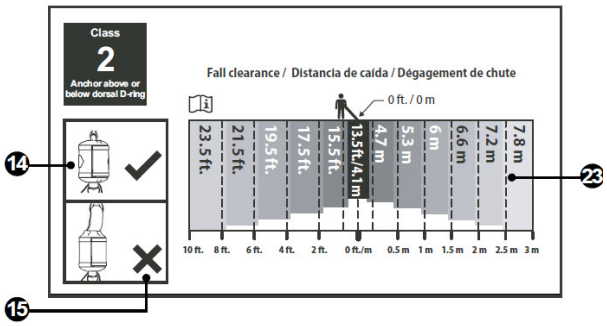
A declaration of conformity may be downloaded at MSAsafety.com/DoC

Full terms and conditions can be found on this product's page on MSAsafety.com by clicking on the Literature tab.

3.1 Labels and Icons







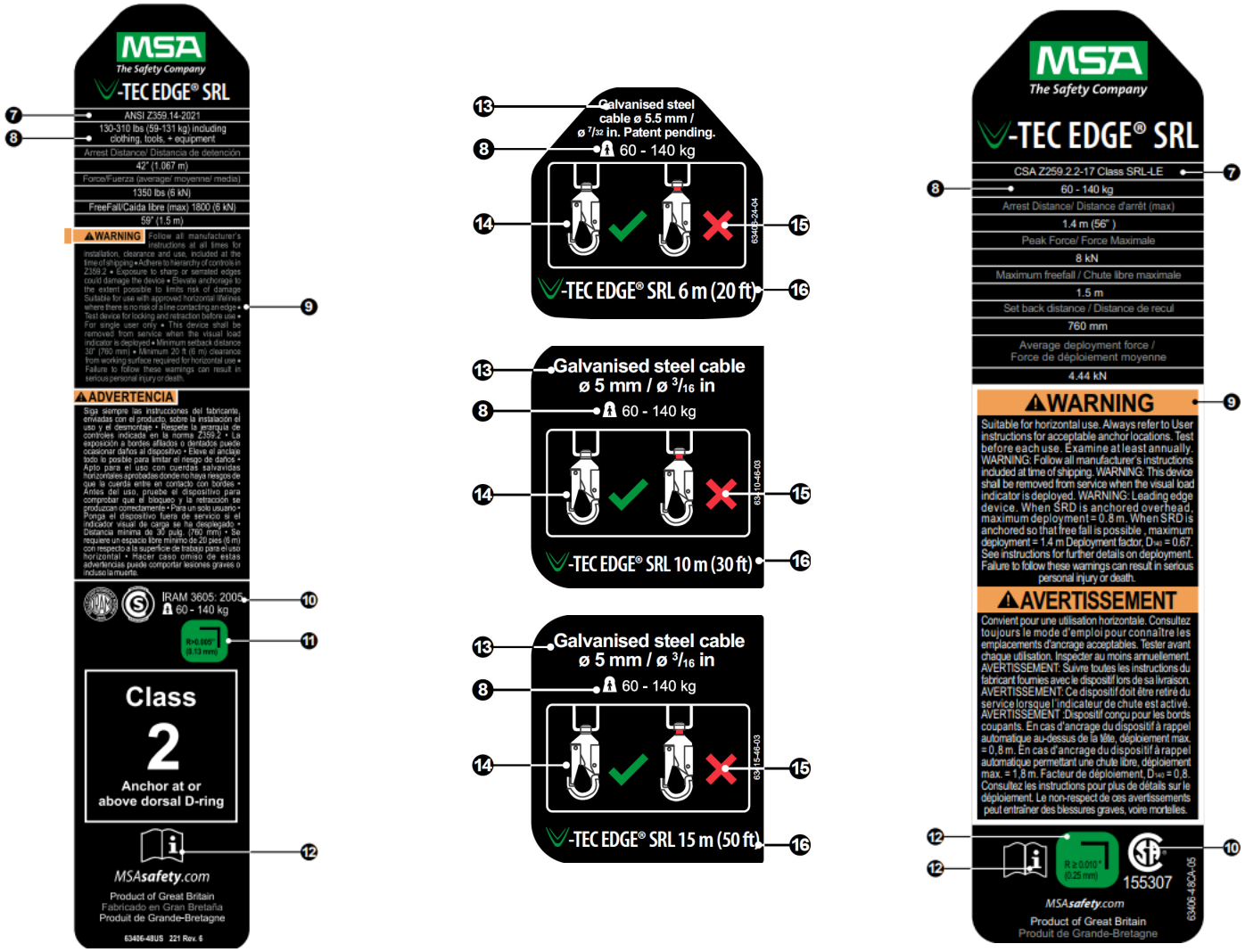


Table 2 V-TEC EDGE Product Marking

A	Case Label Location(ANSI / OSHA / CSA / IRAM)	12	Read User Instructions
B	Lifeline Label Location (Galvanised Steel)	13	Lifeline Construction
1	Model Number	14	Load Indicator
2	Date of Manufacture MM/YY	15	Do Not Use
3	Serial Number	16	Length
4	Date of Next Examination	17	Tie Off Above D-ring Permitted
5	Shock Tube	18	Tested For Use Over an Edge
6	Tear Webbing Case	19	Tested For Use Over Corrugated Steel Edge
7	Standard	20	Tested For Use Over Steel Edge
8	Capacity	21	Tested For Use Over Concrete Edge
9	Product Warning	22	Tie Off Below D-ring Permitted
10	Notified Body Number	23	Fall Clearance Chart
11	Acceptable Edge Type		

Table 3 ISP Marking Information

MSA Product P/N	ISP Marking
63206-00ACA	I.S.P EPP4707
63210-00ACA	I.S.P EPP4708
63215-00ACA	I.S.P EPP4709
63306-00ACA	I.S.P EPP4427
63310-00ACA	I.S.P EPP4710
63315-00ACA	I.S.P EPP4711

3.2 Product Specifications

Component	EN / ABNT / IRAM
Anchorage Connector Standard	EN 795* and / or TS 16415
Harness Standard	EN 361*
Connectors Standard	EN 362*
Structure Strength	12 kN
Retractable Type Fall Arrester / Self Retracting Lanyard	EN 360:2023
This personal protective equipment (PPE) complies with European Regulation (EU) 2016/425 and the PPE Regulation (EU) 2016/425 as retained in UK Law and amended*.	
** Considering harmonized/designated EN standards.*	

3.2.1 V-TEC EDGE SRL Materials

Component	Material
Case	Polycarbonate
Drum	PC-ABS / Aluminium / Stainless steel (10 m, 15 m)
Chassis, pawls, locking mechanism, swivel, main spring	Stainless Steel
Lifeline	Ø 5 mm galvanised steel (3/16")
Energy absorber case	Poly Propylene (PP)
Energy absorber	HMPE
Connectors eyelets and shafts	Stainless Steel

NOTE: The product may comply with standards shown. See product label for specific compliance information. Those designated with a certification mark are listed with the corresponding agency as compliant to the applicable standard.

3.3 Fall Clearance Charts

Ensure sufficient clearance exists to prevent striking an obstacle or structure during a fall. Insufficient clearance or obstructions can prevent the function of the V-TEC EDGE SRL.

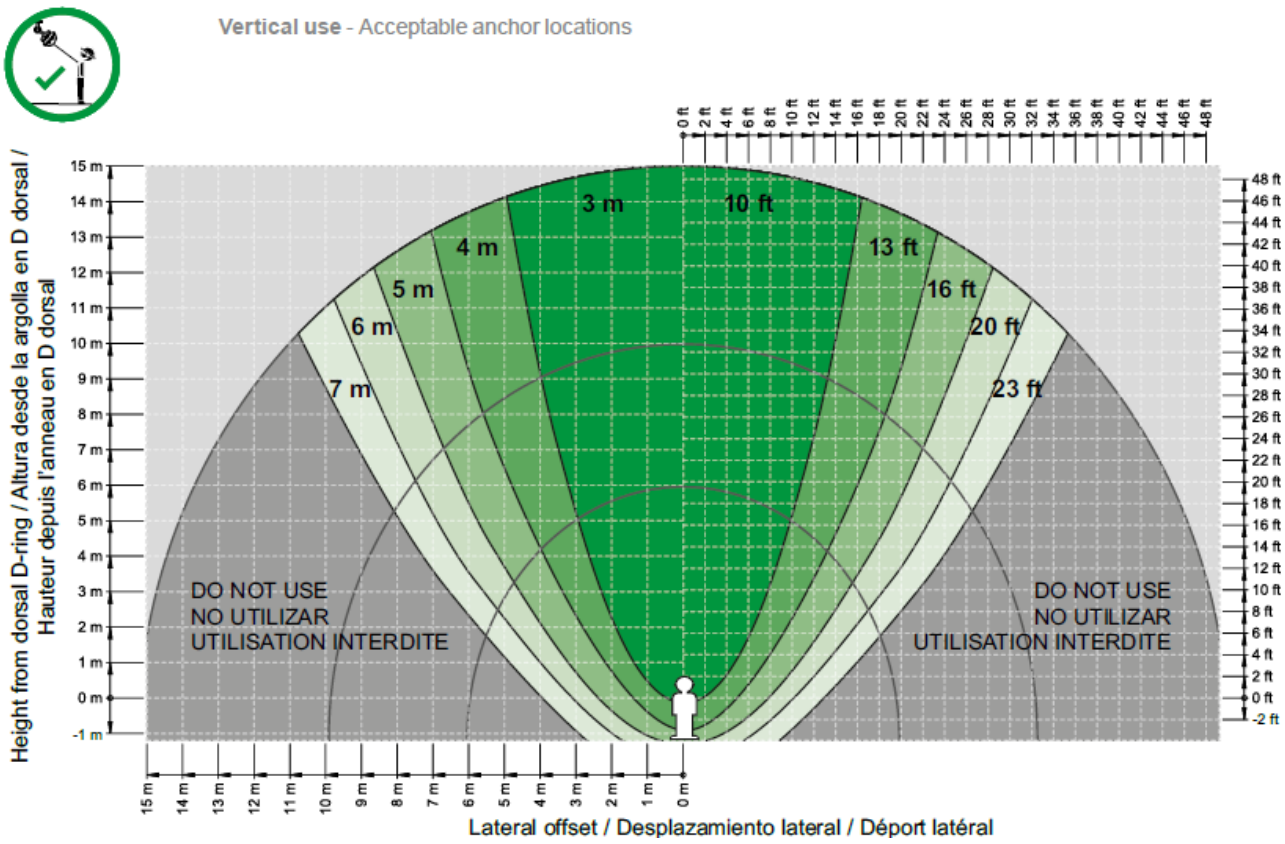
V-TEC EDGE SRL and absorber deployment is typically equal to a maximum of 1.4 m (55”) for a 140 kg (310 lbs) User. Consult (Vertical use) or (Horizontal use) for acceptable anchor locations in relation to the User and for minimum clearance requirements. Fall clearance is the vertical distance between the working platform and the first obstacle below (such as the next platform or ground). To accurately calculate sufficient fall clearance, the following is used: Fall clearance = Maximum Deployment + Lock-on (arrest) distance + Swing fall distance + Safety margin.

The clearance requirements in (Vertical Use) are based on free fall conditions. The presence of obstructions (such as structure edges) may reduce clearance requirements, but may introduce additional hazards, such as potential for laceration or impact injuries.

If the V-TEC EDGE SRL is attached to an anchor that may deflect or deploy in a fall, the deployment of that device shall be added to the minimum clearances specified in the below Acceptable Anchor Locations - Vertical Use Chart. The V-TEC EDGE SRL has been tested for leading edge use with horizontal anchor lines (such as EN 795 Class C devices), dead-weight anchors (such as EN 795 Class E devices) or anchors which may deploy under load (e.g. standing seam roof posts).

To reduce the potential for injury in a fall, work shall be carried out in such a way that the potential for a fall and the potential fall distance is minimized.

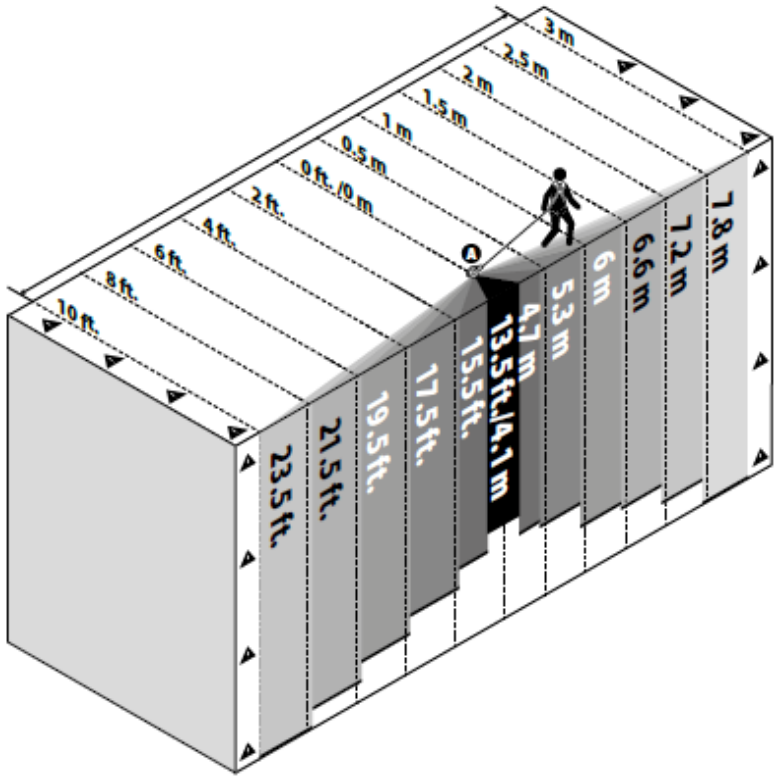
Acceptable Anchor Locations - Vertical Use



V-TEC EDGE SRL LE Fall Clearance Chart

MAX User Weight/ Peso máx. del usuario / Poids MAX de l'utilisateur : 140kg (310 lb)		Offset/Desplazamiento/Décalage (ft)																
		0	2	4	5	6	8	10	12	14	15	16	18	20	22	24	25	
Setback/ Retroceso / Recul (ft)	0	13.5	15.5	17.5	18.5	19.5	21.5	23.5	25.5	27.5								
	2	13.5	14.5	16.0	17.0	18.0	20.0	22.0	24.0	26.0								
	5	13.5	14.0	15.0	15.5	16.5	18.0	20.0	21.5	23.5								
	10	13.5	14.0	14.5	15.0	15.5	16.5	18.0	19.0	21.0								
	15	13.5	13.5	14.0	14.5	15.0	15.5	16.5	18.0	19.0	20.0	20.5	22.0					
	20	13.5	13.5	14.0	14.0	14.5	15.0	16.0	17.0	18.0	18.5	19.0	20.5	22.0	23.5	25.0		
	25	13.5	13.5	14.0	14.0	14.5	15.0	15.5	16.5	17.5	18.0	18.5	19.5	20.5	22.0	23.5	24.0	
	30	13.5	13.5	14.0	14.0	14.0	14.5	15.0	16.0	16.5	17.0	17.5	18.5	19.5	21.0	22.0	22.5	
	35	13.5	13.5	14.0	14.0	14.0	14.5	15.0	15.5	16.5	16.5	17.0	18.0	19.0	20.0	21.0	21.5	
	40	13.5	13.5	14.0	14.0	14.0	14.5	15.0	15.5	16.0	16.5	16.5	17.5	18.5	19.5	20.5	21.0	
	50	13.5	13.5	14.0	14.0	14.0	14.0	14.5	15.0	15.5	16.0	16.0	16.5	17.5	18.0	19.0	19.5	

Acceptable Anchor Location - Horizontal (Leading Edge) Use



3.4 Leading Edge Installation and Use

If a fall over an edge is possible, special rescue measures shall be defined and trained for. Consideration shall be given to accessing a suspended user without further loading or moving the lifeline over an edge.

⚠ WARNING!

- Leading Edge configurations shall only be used after all other hierarchy of controls, including restraint systems and overhead anchorages, have been exhausted.
- Leading Edge configurations shall only be used in accordance with local regulations.
- Leading Edge configurations shall be used in accordance with the instructions, warnings and limitations in these User Instructions.

Failure to follow these warnings can result in serious personal injury or death.

Horizontal Offset: When using V-TEC EDGE SRLs configurations in a horizontal (leading edge) application, lateral movements to both sides of the center axis shall be limited to a maximum 5 ft (1.5 m) when the unit is set back ≤ 5 ft (1.5 m). Large horizontal spans shall be avoided, as they can increase forces applied to the structure and introduce swing falls. Consult the anchor location information in Section3.3 Fall Clearance Charts for additional detail.

Edge Types:V-TEC EDGE SRLs configurations have been tested for horizontal (leading edge) use over a steel edge without burrs using the methods in RFU VG Sheet 11.060. Therefore the V-TEC EDGE SRLs may be used where a fall may occur over similar edges.



Additionally, the V-TEC EDGE SRL has been tested using the methods in ANSI Z359.14-2014 with the following edges:

- A cold formed corrugated steel test edge. Edges used for testing were at thicknesses ranging from 22 gage (0.0295" / 0.7493 mm) to 16 gage (0.0598" / 1.5189 mm). Therefore, V-TEC EDGE SRL configurations may be used where a fall may occur over similar edges.
- A concrete test edge with a compressive strength of 4500 - 5000 psi manufactured with an unfinished 90° edge without roughness, chipping, or other irregularities. Therefore, V-TEC EDGE SRLs configurations may be used where a fall may occur over similar edges.

Edge Evaluation: Prior to use, leading edges must be evaluated by a qualified person. Use in these situations should only be as a last resort. Avoid working where the lifeline will continuously or repeatedly abrade against sharp, jagged, or abrasive edges. If the risk assessment indicates that an edge could damage the lifeline, then eliminate such contact or protect the edges using a pad or other means before starting work.

Anchorage Considerations: Horizontal (leading edge) use or anchoring at the feet of the user should be limited wherever possible to avoid the potential for swing fall and the possibility of the user striking a structure, potentially causing serious injury. To reduce the risk of a swing fall, anchor directly above the user.

The V-TEC EDGE SRL anchorage point shall be at the user's foot level or above. Climbing above the anchorage point is not permitted. Measures shall be taken to prevent use over unintended edges. Do not work on the far side of an opening opposite the anchorage point or around corners.

⚠ WARNING!

- Anchor locations shall adhere to V-TEC EDGE SRLs perspective fall clearance charts, including a redirection angle ≥ 90 and set back ≥ 760 mm (30"); ensuring the correct function of the device in the event of a fall.

Failure to follow this warning can result in serious personal injury or death.

4 Approval Agencies and Manufacturer

CE Approval	
Notified bodies: SATRA Technology Europe Ltd Bracetown Business Park, Clonee, D15 YN2P, Ireland (NB Number 2777)	*Production control phase:* INSPEC International B.V. Beechavenue 54, 1119 PW, Schiphol - Rijk Netherlands (NB Number 2849)

UKCA Approval	
Approved body for product certification: SATRA Technology Centre Limited Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD, United Kingdom (AB0321)	*Approved body for site surveillance:* INSPEC International Ltd, 56 Leslie Hough Way, Salford, Greater Manchester, M6 6AJ, United Kingdom (AB0194)

Manufacturer	Authorized EU Rep.	Authorized UK Rep.
MSA Europe GmbH Schluesselstr. 12 8645, Rapperswil-Jona CH - Switzerland	**MSA Technologies and Enterprise Services GmbH** Thiemannstr. 1 Berlin 12059 Germany	**MSA (Britain) Ltd.** Msa Bristol Units 11-14 Beeches Road Industrial Estate Yate, BS37 5QT United Kingdom

5 Installation and Use

5.1 Harness Attachment

- Ensure the V-TEC SRL housing is connected to a suitable anchor point above the user.
- Ensure the V-TEC EDGE SRL housing is connected to a suitable anchor point at foot level or above with the appropriate connecting hardware.
- The V-TEC SRL, V-TEC EDGE SRL, or V-TEC Synthetic SRL may be connected to an approved full body harness by connecting the snaphook to the back D-ring of the harness.
- If utilizing the V-TEC SRL, V-TEC EDGE SRL, or V-TEC Synthetic SRL on a ladder system, the user may connect to an approved full body harness by connecting the snaphook to the front or back D-ring of the harness.

5.2 Intended Use

SRLs are intended to be used as a connecting element between a full body harness and anchor point. A full body harness is the only acceptable body holding device to be used with a SRL. If supplied as part of a complete system, components shall not be substituted.

5.3 General Installation and Use

Connectors: Ensure SRL connectors are compatible with the attachments to which they are connected (to prevent roll-out), and are fully closed and locked before use.

Anchors: Ensure the SRL is attached to a compatible anchor – flexible anchors, such as anchor lines, horizontal lifelines, rail, or cantilever structures can affect the ability of the SRL to lock-on in the case of a fall. For further clarification on compatibility specifications, refer to the user instructions of the flexible anchor product. Should compatibility information not be included in the flexible anchor user instructions, contact the flexible anchor manufacturer for clarification.

Retraction: In use, the SRL lifelines will extract and retract without hesitation. Do not allow the lifeline to pass through legs, under arms, or wrap around structures. If the lifeline does not retract in use, fully extract the lifeline and slowly allow it to retract. If the lifeline continues to hesitate in retraction, contact MSA.

Storage: When not in use, store with the lifeline fully retracted as prolonged periods of full extraction may weaken the retraction spring. Guide the lifeline back to the unit for full retraction. Do NOT release lifeline from a distance as it will retract at high speed, potentially damaging internal parts or cause cable jamming. If the lifeline is jammed, firmly pull on the lifeline to help cinch the line around the inner drum. Next, push the top of the rubber bumper toward the opening of the nozzle. If the lifeline does not then freely retract, repeat the process several times. If the unit cannot be unjammed after repeated attempts, discontinue use of the unit and contact MSA Customer Service. The connector may also strike objects in its path, causing damage to those objects and to the connector. See Section 7 Cleaning and Storage for full cleaning and storage instructions.

6 Pre-Use Checks and Periodic Examinations

Periodic examinations shall be completed by a person, other than the user, competent in the examination of SRLs, in accordance with the manufacturer's instructions. The interval will be dictated by the usage, local regulations, and environmental conditions, must be prior to first use and at least annually. See Table 4 Periodic Examination Interval for more information.

The safety of the user relies upon the continued efficiency and durability of the equipment. Therefore, pre-use checks shall be completed before each use. A record shall be kept of the results of the examination. See Table 5 Pre-Use Checks for pre-use check information.

Table 4 Periodic Examination Interval

Usage	Interval
Infrequent to light	Annually (12 months)
Moderate to heavy	Semi-annually to annually (6-12 months)
Severe to continuous	Quarterly to semi-annually (3-6 months)

Usage shall be determined by a competent person.

Maximum product life: Continued use is dependent upon passing pre-use checks and periodic examinations. Service life may be reduced by frequency and conditions of use or local regulations.

Table 5 Pre-Use Checks

Pre-Use Checks	Method
Load Indicator	Ensure load indicator has not been deployed. See product label for examples of deployed load indicator.
Labels	Ensure labels are present and legible.
Examination Date	Ensure date of next examination has not elapsed. Ensure a periodic examination is not due as determined by a competent person. See Table 1 Periodic Examination Interval and product's inspection checklist.
General Condition and Lifeline	For Cable Versions: Examine for signs of excessive damage, wear, corrosion or contamination. Inspect entire length of lifeline for kinks, bends, broken wires, bird caging, corrosion, damaged splices or damaged thimbles. Damage to the cable can significantly impact the performance. Verify there are no reductions in diameter of the lifeline. For Synthetic Rope Versions: Examine for signs of excessive damage, wear, or contamination. Inspect entire length of lifeline for broken, frayed, cut, abraded, or missing strands. Verify there are no reductions in width or thickness of the lifeline. Verify there are no smooth, discolored, shiny, hardened, or glazed areas of the lifeline that indicate exposure to heat or chemicals.
Energy Absorber	Check energy absorber for signs of cuts, abrasion, tears, burns, mold, discoloration or chemical damage. Verify the white tear webbing is not significantly exposed through the energy absorber cover. **NOTE:** For V-TEC EDGE SRLs Only
Extraction and Retraction	Inspect lifeline extraction and retraction by pulling the full length of the line out and letting it retract back into the housing in a controlled manner. Maintain a light tension on the lifeline while it retracts. The line operation must be smooth and unhesitant.
Lock-on	Pull sharply on the lifeline – ensure device locks. Repeat three times.
Housing / Fasteners / Swivel	Examine the housing and verify there are no cracks, excessive signs of wear, or extreme discoloration. Verify that all fasteners and the swivel are in place, are secure and do not show signs of excessive damage, wear or corrosion. Verify the swivel can rotate.
Handle	If present, examine the housing handle and verify there are no cracks, excessive signs of wear, or extreme discoloration.
Connectors	Check for correct operation of connector and connector gate. Examine the connectors for signs of excessive damage, wear, or corrosion.
Nozzle and Nozzle Rod	Inspect the nozzle for signs of excessive damage, wear or contamination. The interior nozzle rod may show signs of damage or wear without necessitating the product's removal from service as long as the product meets all other pre-use and functional checks.

Hazards

⚠ WARNING!

- Use caution when working around moving machinery. Chemical hazards, heat, and corrosion may damage the SRL. Any chemical exposure should be avoided, if possible. All chemical hazards should be accounted for prior to beginning work.
- More frequent formal inspections are required in environments with chemical hazards, heat, and corrosion. As with all chemical exposures, consult the safety officer for review and recommendations for decontamination. Cleaning is strongly suggested - reference specific product cleaning guidance.
- Prior to use, the end user is responsible for testing the product in the environment and conditions in which it will be used.

Failure to follow these warnings can result in serious personal injury or death.

7 Cleaning and Storage

If required, the SRL exterior and lifelines may be cleaned using a damp cloth and warm water (max 40°C), and allowed to dry naturally before use. Excessive build-up of dirt, paint etc. can compromise both retraction and strength of the lifeline.

Store or transport the SRL in a cool, dry, clean environment, away from heat, steam, harmful fumes, corrosive agents, rodents, dust, oil, and direct sunlight. During transportation, the device shall be protected to prevent damage or contamination. Examine the SRL after long periods of storage prior to returning it to service.

Moving parts of snaphooks and carabiners may require periodic lubrication with low viscosity penetrating oil. Follow lubricant manufacturer's instruction. Do not over-lubricate. Wipe excess with a clean, dry cloth.

8 Warranty

Express Warranty – MSA warrants that the product furnished is free from mechanical defects or faulty workmanship for a period of one (1) year from first use or eighteen (18) months from date of shipment, whichever occurs first, provided it is maintained and used in accordance with MSA's instructions and/or recommendations. Replacement parts and repairs are warranted for ninety (90) days from the date of repair of the product or sale of the replacement part, whichever occurs first. MSA shall be released from all obligations under this warranty in the event repairs or modifications are made by persons other than its own authorized service personnel or if the warranty claim results from misuse of the product. No agent, employee or representative of MSA may bind MSA to any affirmation, representation or modification of the warranty concerning the goods sold under this contract. MSA makes no warranty concerning components or accessories not manufactured by MSA, but will pass on to the Purchaser all warranties of manufacturers of such components. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AND IS STRICTLY LIMITED TO THE TERMS HEREOF. MSA SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Exclusive Remedy – It is expressly agreed that the Purchaser's sole and exclusive remedy for breach of the above warranty, for any tortious conduct of MSA, or for any other cause of action, shall be the repair and/or replacement, at MSA's option, of any equipment or parts thereof, that after examination by MSA are proven to be defective. Replacement equipment and/or parts will be provided at no cost to the Purchaser, F.O.B. Purchaser's named place of destination. Failure of MSA to successfully repair any nonconforming product shall not cause the remedy established hereby to fail of its essential purpose.

Exclusion of Consequential Damages – Purchaser specifically understands and agrees that under no circumstances will MSA be liable to Purchaser for economic, special, incidental, or consequential damages or losses of any kind whatsoever, including but not limited to, loss of anticipated profits and any other loss caused by reason of the non-operation of the goods. This exclusion is applicable to claims for breach of warranty, tortious conduct or any other cause of action against MSA.

For additional information, please use your local contacts on our website www.MSAsafety.com.

9 Inspection Log

Equipment records		
Product name:		
Model and type identification:	Trademark:	Identification number:
Manufacturer/Importer:	Manufacturer's contact details (telephone, email, website):	CNPJ:
Year of manufacture / Expiration date:	Purchase date:	Date of first use:
Any other relevant information (for example, maintenance, standard with which the equipment is complaint)		

HISTORY OF PERIODIC INSPECTIONS AND REPAIRS				
Date	Reason (Periodic inspection or repair)	Defects noted, repairs performed and any other relevant information	Name and signature of the competent inspector	Date of the next planned periodic inspection