



TECHNICAL DATASHEET

EDGE 6LE

WIRE ROPE SRL FOR LEADING EDGE APPLICATION

STANDARD: CONFORMING TO EN 360:2023

Product Introduction:

- A retractable fall arrester, commonly known as a self-retracting lifeline (SRL), is a sophisticated safety apparatus utilized in personal fall arrest systems (PFAS). It is specifically engineered to mitigate the risk of falls from elevated surfaces in diverse industrial and construction contexts. This device is essential for safeguarding personnel working in environments where the potential for falling from considerable heights are present.
- A leading edge application retractable, or Leading Edge Self-Retracting Lifeline (SRL), is a device that helps reduce the risk of injury to workers when working at unprotected edges. A leading edge is an unprotected edge of a work surface, such as a platform or floor. A leading edge SRL is designed for applications where the lifeline may come into contact with an edge during a fall. The SRL has a speed sensing brake system that activates to stop the fall and reduce the force on the worker.

Benefits:

- **Fall protection:** When a worker falls over a leading edge, the lifeline locks into place to stop the fall.
- **Optimum working speeds:** Leading edge retractable lifelines allow workers to walk and work at optimal speeds.
- **Comfort and durability:** The leading edge retractable lifelines are designed to be comfortable all day and durable on job sites.
- **Reduce impact loading:** Reduces the impact on the worker and keeps the lifeline intact.
- **Anchorage eye with swivel action:** This prevents undue twist of the rope while working or in the event of a fall, ensuring maximum safety and preventing entanglement.
- **External Shock absorber:** High capacity external shock absorber with impact indicator absorbs shock impulses during fall.



Product Specifications:

Model	EDGE 6LE
Housing	Thermoplastic
Rope Material	Galvanized Steel
Rope Dia	Ø4.8 mm
Breaking Strength	Greater than 15 kN
Max Arresting Force	6 kN
Max Arrest Distance	1.4 meter
Capacity	140 kg
Length	6 meter
Weight	3.9 kg (Approx.)



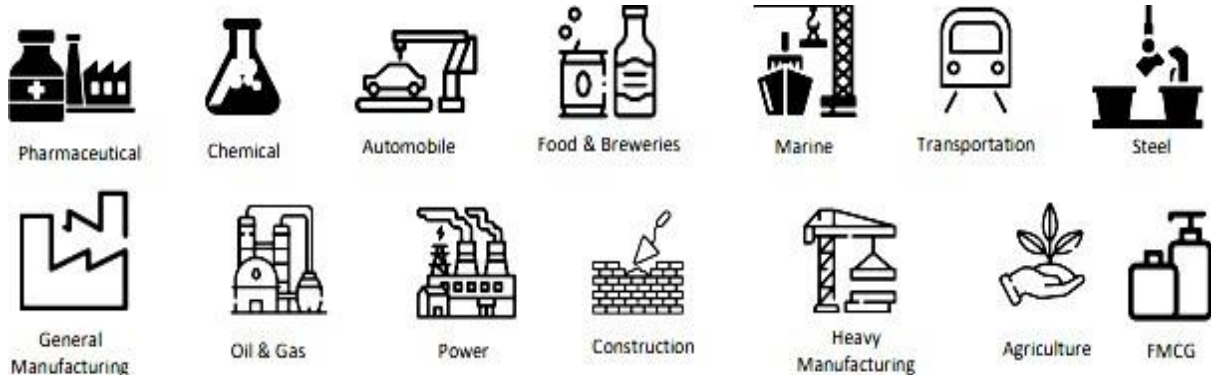
EDGE Series SRL (Self Retracting Lifeline)

Applications:

- **Working at Height:** Leading edge retractable lifelines are used when there is no overhead anchor point and the only option is to tie off at foot level. They are also useful when working with limited fall clearance.

Industries:

The Self Retractable Blocks are essential for maintaining a safe and efficient working environment in any manufacturing, construction, utility related industries as follow.



Safety Information:

Retractable fall arresters are safety devices that can help prevent falls and minimize injuries. Here are some important safety tips for using retractable fall arresters:

- **Use with a full body harness:** Connect the working cable to the dorsal attachment point of a full body harness.
- **Test the device:** Some fall arresters are tested horizontally when falling over the edge, or with loads greater than the standard 100 kg.

Usage Instruction/Inspection:

A Self Retractable fall Arrester should be inspected in the following way

- First, the fall indicator should be inspected and if a fall has been detected, please remove the SRL from service.
- Next, check the snap hook to ensure it works properly: the gate can't be forced open and there are no dents or cracks.
- Then, inspect the full length of the cable to check for cuts, burns, or tears. Then, perform a strike test by gripping the handle and pull down quickly.
- It should make sure that the housing has no cracks and that fasteners are all in place. Make sure that labels are present and legible.
- Next, should Check for slippage while the brakes are engaged, release tension and allow the lifeline to retract. If the lifeline slips or doesn't retract smoothly, the unit needs to be taken out of service.

Storage:

- Always the SRL should be stored in a dry area away from ultra violet rays. It Should not store in direct / high heat or sunlight as this may distort the colour. The SRL can be stored and transported in their original cartons to avoid corrosion due to atmospheric moisture, excessive heat or cold.