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# TECHNICAL DATASHEET

**PROTON BLOCK** — **STEEL WIRE ROPE TYPE RETRACTABLE FALL ARRESTER**

**STANDARD: CERTIFIED AS PER EN360:2023** CE
**IS 3521(Part 3): 2021**

## 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 fromconsiderable heights are present.

## Benefits:

- **Fast response time:** Retractable fall arresters quickly detect a fall and arrest it in a short distance.
- **Flexible and easy to use:** They don't restrict movement and are easy to useVertical and up to 40% Horizontal movement even with minimal effort.
- **Durable:** They can withstand harsh conditions, including extreme weather,chemicals, and impacts.
- **Limit force on the body:** They disperse the energy of a fall over a short distance,reducing the force on the user's body and avoid the free fall.
- **Compact and portable:** The ergonomically designed handle make the SRL easy to carry and accessible for the workers on different job sites.

## Product Specifications

| | |
|---|---|
| **Housing** | High impact glass field nylon |
| **Rope Material** | Stainless Steel |
| **Rope Dia** | Ø5 mm |
| **Breaking Strength** | 15 kN |
| **Arresting Force** | Less than 6 kN |
| **Fall Arrest Distance** | 1.5 meter (Maximum) |
| **Capacity** | 100 kg |
| **Length** | 15 meter |
| **Weight** | 7.80 kg |

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# PROTON Series SRL (Self Retracting Lifeline)

## Applications:

- **Working at Height:** Retractable fall arresters are a crucial safety apparatus for activities conducted at elevated heights, as they substantially mitigate the risk of severe injury. These devices are employed across a multitude of professions, including facade maintenance, terrace work, scaffolding operations, and general maintenance tasks.
- **Construction:** Used by workers on roofs, scaffolding, and during installation work.
- **Maintenance:** Used by maintenance personnel working on elevated platforms, ladders, or structures.
- **Confined spaces:** Used in situations where the user is working in a confined space.

## 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 afull body harness.
- **Test the device:** Check the fall indicator and perform the manual arrest check at ground leve before use.

## Usage Instruction/Inspection:

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

- The fall indicator should be inspected and if a fall has been detected, please remove the SRL from service.
- Check the snap hook to ensure it works properly: the gate can't be forced open and there are nodents or cracks.
- 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.
- Make sure that the housing has no cracks and that fasteners are all in place. Make sure that labelsare present and legible.

## 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.

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