



TECHNICAL DATASHEET

PROTON BLOCK

STEEL WIRE ROPE TYPE RETRACTABLE FALL ARRESTER

STANDARD: CERTIFIED AS PER IS 3521(Part 3): 2021; EN360:2002



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.

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 use Vertical 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.
- ATEX approved:** Intended for use in potentially explosive atmosphere.



Product Specifications		Modelwise Length and Weight		
Housing	High impact glass field nylon	Model	Length	Weight(Approx.)
Rope Material	Stainless Steel	PROTON 5	5 Meter	3.80 kg
Rope Dia	Ø5 mm	PROTON 6	6 Meter	3.90 kg
Breaking Strength	Greater than 12 kN	PROTON 7	7 Meter	4.00 kg
Arresting Force	Less than 6 kN			
Fall Arrest Distance	1.4 meter (Maximum)	PROTON 10	10 Meter	5.80 kg
Capacity	100 kg	PROTON 12	12 Meter	5.95 kg
Available Length	5/6/7/10/12 meter			



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 fall. 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 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

- The fall indicator should be inspected and if a fall has been detected, withdraw the SRL from the service.
- Check the snap hook to ensure it works properly: the gate cannot be forced open and there are no dents 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 as well as labels are 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.