



TECHNICAL DATASHEET



ULTRA NANO RETRACTABLE FALL ARRESTER

STANDARD: CONFORMING TO EN 360:2002
CERTIFIED AS PER 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 from considerable heights are present.

Features:

- Self-locking device for vertical and horizontal operation in a Polycarbonate housing with a webbing rope and a swivel mounted in the housing.
- The device has an additional fall arrest system located at the snap fastener.
- Easy to carry and transport as it is very light weight.
- Clear Polycarbonate casing provides better strength easy visual verification



Product Specifications:

Model	ULTRA NANO
Housing	Polycarbonate
Rope Material	Webbing
Webbing Width	19 mm
Webbing Length	1.8 meter
Minimum Rate Load	50 kg
Maximum Rate Load	140 kg
Breaking Streangth	15 kN (Minimum)
Weight	1.38 kg

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.



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ULTRA NANO (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, aerial lift utilization, 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 webbing 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 webbing to check for cuts, burns, or tears.
- Next, make sure that the housing has no cracks and that fasteners are all in place. Make sure that labels are present and legible.

Storage:

- Always retractable 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 sling can be stored and transported in their original cartons to avoid corrosion due to atmospheric moisture, excessive heat or cold.