



TECHNICAL DATASHEET

IKAR HRA

RETRACTABLE FALL ARRESTER WITH RETRIEVAL WINCH

STANDARD: CERTIFIED AS PER EN 360:2023 & EN 1497:2007

Product Introduction:

- Self-Retracting Lifelines with Rescue Recovery Features (SRL-R) combine the functionalities of SRLs with the capabilities of recovery winches offering a versatile solution for workers at heights. There are two types of SRL-R. On the first type, like standard SRLs, the SRL-R are designed to arrest falls while at the same time being equipped with retrieval winch mechanisms that enable them to be used in rescue operations.
- They are typically used as part of a rescue system. They consist of a mechanical device that manually winds or unwinds a cable or rope to rescue the individual who needs assistance, either by raising them to safety or lowering them to the ground for medical attention.
- SRL-R with Rescue Winch Feature can be switched into a winch mode, usually by pulling the crank to disengage the automatic SRL braking mechanism and engage the winch retrieval. This mode is to be used in emergency rescue situations only.

Benefits:

- Fast response time:** Retractable fall arresters quickly detect a fall and arrest it in a short distance.
- Fall prevention:** SRLs extend and retract to keep the line taut, preventing falls and limiting the force on the worker's body.
- Easier rescue:** SRLs with rescue winches can help raise a fallen worker to safety or lower them to the ground for medical attention.
- Versatile:** SRLs with rescue winches can be used in a variety of situations, including confined spaces.
- Retrieval winch:** A retrieval winch is a mechanical device that winds or unwinds a cable or rope to raise or lower a person. It's not designed to arrest falls, but is often used as part of a rescue system.



Product Specifications		Modelwise Length and Weight		
Housing	Aluminium	Model	Length	Weight(Approx.)
Rope Material	Galvanized Steel	41-HRA 12	12 Meter	7 kg
Rope Dia	Ø4.8 mm	41-HRA 18	18 Meter	11.5 kg
Breaking Strength	15 kN (Minimum)	41-HRA 24	24 Meter	16 kg
Arresting Force	6 kN (Maximum)	41-HRA 33	30 Meter	18.5 kg
Fall Arrest Distance	0.2-0.25 meter (Maximum)	41-HRA 42	40 Meter	25.5 kg
Capacity	140 kg	41-HRA 65	65 Meter	43 kg
Available Length	12/18/24/33/42/65 mtr.			



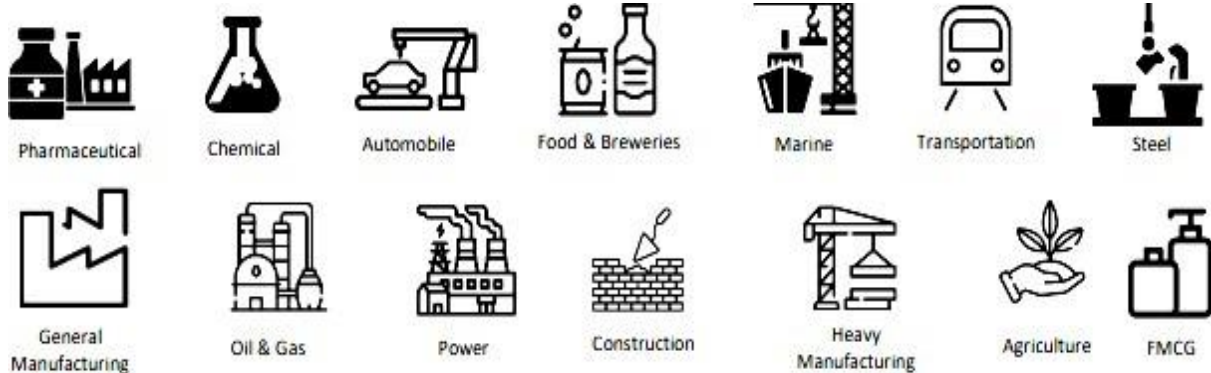
IKAR HRA (with Winch Mechanism)

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 a full body harness.

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.
- 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 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.