



# USER INSTRUCTIONS

## Retractable Fall Arrester

PC. 915342, 915344



This equipment is intended for use by people who have received proper training and are competent.



AS 1891.3:2020 Amd 1:2021 (BMP No. 739186)

The Retractable Fall Arrester is classed as Personal Protective Equipment (PPE) by the European PPE Directive 89/686/EEC and has been shown to comply with this Directive through the Harmonised European Standard EN 360:2002. Also complies with AS 1891.3:2020 Amd 1:2021.

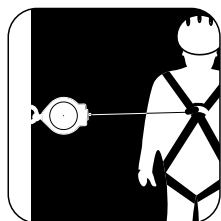
### CAREFULLY READ THESE INSTRUCTIONS BEFORE USING THIS FALL ARRESTER

The Retractable Fall Arrester is designed to minimise the risk of/provide protection against the danger of falling from heights. **However, always remember that no item of PPE can provide full protection and care must always be taken while carrying out the risk relation activity.**

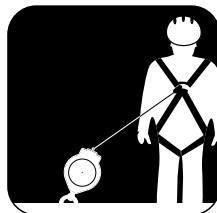
## INSTRUCTION FOR USAGE

This Retractable Fall Arrester can be used as a part of a fall arrest system or as a part of a restraint system. If using as a part of a fall arrest system vertically, a suitable anchor point (above the user's head, at least 15 kN) shall be used. Attachments to the anchor points and other equipment shall be made using oval Karabiners conforming to EN 362 or ANSI standards with a minimum of 6kN gate strength.

\* Electron can also be used in horizontal direction.



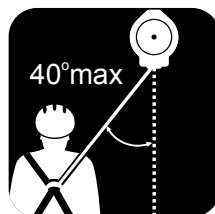
\* It can be used where the Anchorage point is available at foot Level also.



**It can be used on sharp edges having a radius of no less than 0.5mm**

### HOW TO USE

\* Follow Step 1 to Step 2 to use this equipment in a vertical condition.



**STEP 1:** Connect the swivel eye at the top of the Retractable Fall Arrester to a suitable anchorage point situated above the user's head using Karabiners as per EN362 or ANSI standards & ensure the Karabiner is locked.

**STEP 2:** Now connect the swivel hook of the equipment to the attachment element of your full body harness and ensure that it is locked. You are now safe to move up & down in normal speed. In the event of a fall, the Retractable Fall Arrester locks & also minimises the impact forces on the body of user.

**Follow Step 3 to Step 4 to use this equipment as a single or double Lanyard.**

**STEP 3:** Connect the eye of the retractable fall arrester to the dorsal attachment of the full body harness with the inclusion of the special Austlift connector 915600 & ensure the connector is locked.



**STEP 4:** Now connect the snap or scaffold hook at the termination end of the device to the structure and ensure that it is locked. You are now safe to move up & down in normal speed. In the event of a fall, the Retractable Fall Arrester locks & also minimises the impact forces on the body of user.

**Similarly, it can be used where the anchorage point is available at foot level by just connecting the swivel eye of the retractable lanyard to the anchorage point and the hook at termination to the dorsal attachment of harness.**

## **WARNING**

1. Ensure the medical condition of the user does not affect his safety in normal and emergency use.
2. The equipment shall only be used by a person trained and competent in its safe use.
3. A rescue plan shall be in place to deal with any emergencies that could arise during the work.
4. Do not make any alterations or additions to the equipment without the manufacturer's prior written consent. Any repair shall only be carried out by personnel trained by the manufacturer & duly authorised by the manufacturer.
5. The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.

## **SERVICE INTERVALS**

- **Visual / Function Inspection** - Every year by a competent person (Annually)(Does not need to be opened unless issue is found).
- **Open Unit Inspection** - Every two years to be serviced by authorised service agent and the break pad / Shim to be replaced.
- **Note:**
  - Inspection frequency's should be increased if the unit is used in a dirty, corrosive or hazardous environment.
  - If any issues are found in the inspection by a competent person, the unit must be sent to an authorised service agent for repairs with Austlift parts.

## ADVICE & INFORMATION

- The Retractable Fall Arrester should be seen as the personal property of the user.
- Ensure that the Retractable Fall Arrester is compatible with other items when assembled into a system.
- Usage with other incompatible items may be dangerous & hazardous as the safe function of one item may be affected or interfere with the safe function of another.
- The user should carry out a pre-use check of the Retractable Fall Arrester, to ensure that it is in a serviceable condition and operates correctly before it is used.
- The pre-use check shall involve checking for any wear or abrasion on webbing and sign of corrosion on metal parts or any breakage of the plastic casing.
- Withdraw from use immediately if there is any doubt about its safe condition or if it has already arrested a fall, the equipment shall not be used again until confirmed in writing by a competent person.
- Ensure that the strength of the anchor device is equal to or more than 15KN.
- Use karabiner conforming to EN 362 or ANSI standards with a minimum of 6kN gate strength for connecting to the anchor points.
- It is advisable to use the dorsal attachment D-Ring of the harness for connection to the Retractable Fall Arrester. However if it is not possible for any reason, the chest attachment element may also be used.
- It is essential to verify that you have enough fall clearance beneath you in the event of a fall, The retractable will engage within 600mm of fall distance but you need to take into consideration, the height of the user, the available clearance and a safety factor. Evaluating available fall clearance will prevent a collision with the ground or other other obstacles in the fall path.
- Following conditions may be hazardous & may affect the performance of Retractable Fall Arrester:
  - a. Extreme temperatures
  - b. Trailing or looping of Lanyards over sharp edges.
  - c. Extreme acidic or basic environments.
  - d. Abrasive or sharp edged structures which can damage the equipment.
  - e. Pendulum falls.
- Ensure that manufacturer's packing is used during transportation to prevent damage. In case original packing is not available, use polybag which is sealed to prevent moisture.
- If used properly, the Retractable Fall Arrester has a life span of 10 years from the date of manufacture unless subjected to severe abrasions or extreme temperatures/climatic conditions.
- It is essential for the safety of the user that if the product is resold outside the original country of destination, the reseller shall provide instruction for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.

### **Additional information as per VG 11**

- a. It is possible to use a horizontal retractable type of fall arrester over an edge type A.
- b. It is recommended to avoid the loading of the retractable type fall arrester over edges.

### **Additional information as per VG 11**

- a. The retractable type fall arrester was tested also for horizontal use and a drop over type A edge has been successfully tested. Type A edge definition: A steel edge with a radius of  $r=0.5\text{mm}$  and without burrs was used for the test. Due to the test, the equipment may be used over similar edges, as can be found e.g. at rolled steel profiles, at wooden beams or at a clad, rounded roof parapet. However, the following shall be considered when the equipment is used in a horizontal or transverse arrangement and a risk of a fall from a height over an edge exists.
  1. If the risk assessment carried out before work commences shows that the edge is very sharp which could cause cutting of the lanyard or potentially abrasive such as over the edge of an unclad roof parapet, a rusty steel girder or a concrete edge:
    - Relevant measures shall be taken to prevent a drop over the edge such as edge protection.
    - Or the manufacturer shall be contacted.
  2. The anchor point should only be situated at the same height as the edge at which a fall might occur or above the edge.
  3. Allow a minimum fall clearance below the user to allow the unit to lock and deploy, the height of the user and a safety factor, we recommend a height of 4 meters below if possible, in order to avoid collision with the adjacent structures or the ground in the event of a fall.
  4. To attenuate a drop ending in pendulum movement, the working area or lateral movements to both sides of the centre axis shall be limited to a maximum of 1.50m. In other cases, no individual anchor points, other than type C or type D anchor devices in accordance with EN 795:2012 shall be used.
    - a. A pendulum or swing fall is particularly dangerous over a sharp edge as it will add to the cutting / shearing potential on the lanyard.
    - b. The SRL can also be used with Type C anchor device.
    - c. The deflection of the anchor devices shall be taken into account when determining the clearance required below the feet of the user. To that effect, the indications specified in the instructions for use of the anchor device shall be considered.
    - d. Care must be taken to avoid collisions with any obstruction in the event of a fall.
    - e. It is advised that, in the event of a fall over the edge, special pre-planned rescue measures must be taken under guidance of a well-trained and competent person.

## **INSTRUCTION FOR MAINTENANCE**

- Strictly follow the maintenance instruction procedures laid out below.
- In case of minor soiling, wipe the equipment with cotton cloth or soft brush. Do not use any abrasive material. For intensive cleaning wash in water at a temperature between 25 °C to 50 °C using a neutral detergent. It should be allowed to dry by itself and be kept away from open or any other source of heat. Avoid direct sunlight.
- Store in cool dry place, preferably away from moisture, direct sunlight, extra acidic or basic conditions, & sharp edges.

## MARKING



### The Retractable Fall Arrester is marked with :

- Identification of the manufacturer
- Standards that the product complies with
- BMP certification number
- Product code
- Webbing length
- Batch no.
- Serial no.
- Date of manufacture

### Information given on the label:

1. To be used by person weighing up to than 140 kgs.
2. Once the wire rope has been reeled out, do not leave it suddenly to retract inside on its own, let it go inside gradually by guiding it slowly inside.
3. Use between temperature range of -30°C to + 50°C.
4. Ensure that the max angle between the vertical & the lanyard is 40°.
5. Keep away from sunlight or heavy rains when not in use.
6. Do not attempt repair unless trained by the manufacturer.
7. Ensure that the anchorage point has strength of min 12kN as per EN 795, or min 15kN single anchor point as per AS/NZS 5532 standard.
8. Connect the lanyard to the suitable fall arrest anchor point.
9. Can be used for horizontal applications.
10. Units marked with this symbol can be used where a user may fall over the edge of the work surface, the unit in this application is limited to 100kg user.
11. Do not use a unit laying flat on its side in a horizontal application, this may impede the way the wire or webbing coils back into the unit, preventing the unit from functioning correctly, special brackets are available for use in this application.

# INSPECTION LOG

Product Type : \_\_\_\_\_

Date of First Use: \_\_\_\_\_

Serial No. : \_\_\_\_\_

Comments: \_\_\_\_\_

Year of Mnf. : \_\_\_\_\_

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User Name: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_

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**915342/915344 Retractable Fall Arrester**

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