



USER INSTRUCTIONS

Retractable Fall Arrester

PC. 915207, 915210, 915220, 915230



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

Do not skip this instruction manual. Read the instruction manual carefully before using the equipment. If failed in doing so it may cause serious Injury or Death.

Note: The user is advised to keep the user instructions document for the life of the product.

Manufacturer	: 43 Frank St, Wetherill Park, NSW 2164 02 9757 2277
Certification Body Ongoing	: SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin D15 YN2P Ireland (Notified Body 2777)
Assessment Body	: SGS Fimko Oy, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland (Notified Body 0598)

SAFETY INFORMATION

The Retractable Fall Arrester for horizontal usage is classed as a Personal Protective Equipment (PPE) by the European PPE Regulation (EU) 2016/425 and has been shown to comply with this Regulation through the Harmonized European Standard EN 360:2002 & VG11 RFU # 11.060

This Retractable Fall Arrester for horizontal usage 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 related activity.**

Please consult AS/NZS 1891.4 for selection, use, maintenance and training requirements.

- **Self-Retracting Lanyard:** Austlift 915220 and 915230 retractable lanyards are suitable for applications where the unit is mounted overhead, the line will remain generally vertical during use keeping it taught and limiting free fall to less than 0.6m (600mm).
- **Self-Retracting Lanyard with Sharp Edge:** Austlift 915207 and 915210 retractable lanyards with sharp edge (SE) are suitable for applications where the lifeline remains generally horizontal during use and possible free fall is limited to less than 1.5m. Sharp Edge (SE) retractable's have an additional shock absorbing element at the user attachment point to assist with absorbing the impact over the edge and reducing the force on the user to below 6kN and removing the additional force that may cause the cable or webbing to shear. Sharp Edge units are approved for vertical and horizontal use.

POSSIBLE 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 fall arrest system, a suitable anchor point (above the user's head, at least 12kN) shall be used. Attachments to the anchor points and other equipment shall be made using Karabiners to EN362 with a minimum 6kN gate strength or ANSI.

The equipment is to be used specifically in vertical as well as horizontal condition if it is Sharp Edge (SE) marked.

- **Material of the Lanyard:**
 - for wire rope block - 4.8mm Galvanized steel wire.
 - for webbing block - 25mm polyester textile webbing.

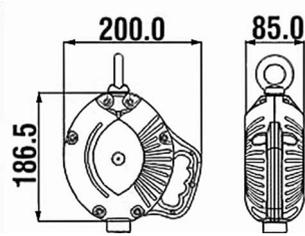
PERFORMANCE AND LIMITATIONS OF USE

The equipment has been tested in accordance with EN 360:2002 & as per VG11 RFU # 11.060 and has achieved the following performance levels:

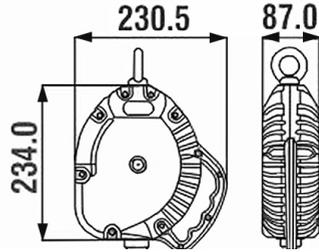
EN 360:2002 test	Result/Comment
Clause 4.1 Design & Ergonomics	Achieves required performance as stated in EN 360:2002 (PASS). Lanyard free from sharp or excessively abrasive surface (PASS). No unnecessary features which add significantly to overall mass (Pass).
Clause 4.2 Materials & Construction	Lanyard end terminated with a loop, for connection to harness and fall arrest system (PASS). Lanyard meets static strength requirement (PASS).
Clause 4.3 Locking after Conditioning(EN 364:1993)	After conditioning, it locks & remains locked until released with 5 kg Max. (PASS)
Clause 4.4 Static Strength(EN 364:1993)	12kN sustained for 3 minutes without release (Wire) (PASS). 15kN sustained for 3 minutes without release (Webbing) (PASS).
Clause 4.5 Dynamic Performance(EN 364:1993)	When tested with the test mass of 100 kg, The Arrest force <6.00 kN, Arrest distance <2.00 m (PASS).
Clause 4.7 Corrosion Resistance (EN 364:1993)	Corrosion test in accordance with ISO 9227:1990-24 hours (PASS).
AS PER VG11 RFU # 11.060	Result/Comment
1. Dynamic Performance: a. Perpendicular to the edge b. Lateral offset of 1.5 mtr	100 Kg mass held Breaking force <6kN Breaking distance less than 2 mtr
2. Dynamic Strength a. Perpendicular to the edge b. Lateral offset of 1.5 mtr	100 Kg mass held
3. Static Strength after each Dynamic Strength test	f=3kN (Cable) 4.5 kN (Textile) 3 mints

SPECIFICATIONS

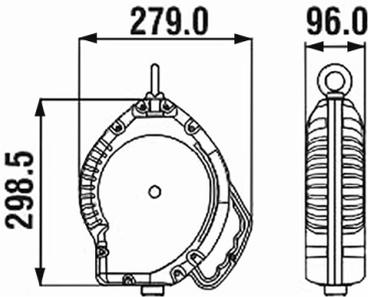
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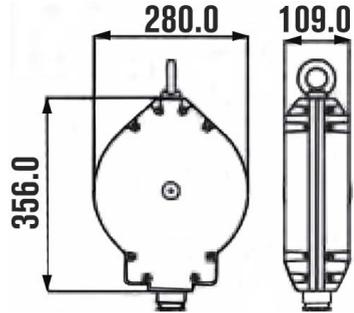
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INSPECTION BEFORE USE

- Inspect the system thoroughly before use, ensure the locking mechanism is working correctly and the cable is retracting fully.
- Ensure the cable is in good condition and free of any defects.
- Inspect the anchor points to ensure they are still secure and able to sustain the loads required in the event of a drop load being applied.
- Ensure the load that needs to be secured has a suitable connection point to connect the Load arrestor to.

HOW TO USE

- STEP 1:** Connect the anchorage eye of Retractable Block to a suitable anchorage point situated either above the user's head or in horizontal direction using karabiners (EN 362 with 6kN gate strength or ANSI) & Ensure karabiner is locked.
- STEP 2:** Now Connect the hook at attachment end of Retractable to the dorsal attachment of your full body harness. User is now safe to move in normal speed.
In the event of a fall, Retractable block locks and also minimizes the impact forces on the body of user, both in vertical and horizontal direction.

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.

ADVICE & INFORMATION

- The Retractable Fall Arrester should be the personnel property of the user.
- Ensure that the Retractable Fall Arrester is compatible with other items when assembled into a system.
- Usage with other un-compatible items may be dangerous & hazardous as the safe function of one item may be affected or interferes 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 of any wear or abrasion on wire ropes/webbing and sign of corrosion if any on metal parts or any breakage of the 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 that it is acceptable to do so.
- Ensure that the strength of the anchor device is greater than 12kN or min 15kN single anchor point as per AS/NZS 5532 standard.
- Use karabiner conforming to EN 362 with minimum gate strength of 6kn or ANSI 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 a minimum 4ms height of free space is available below the user's feet & the ground level at the work place, so that in case of a fall, there will be no collision with the ground or other obstacle in the fall path.
- Following conditions may be hazardous & may affect the performance of Retractable Fall Arrester:
 - (a) Extreme temperature
 - (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.
- 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 product is to be used.
- This is advised that Annual inspection should be done by competent person & if any discrepancy is found in product, service will be done at authorized service center only.

ADDITIONAL INFORMATION AS PER VG 11

- It is possible to use a horizontal retractable type fall arrester over an edge type A (Sharp Edge Units)
- It is recommended to avoid the loading of the retractable type fall arrester over edges.
- The retractable type fall arrester marked with edge symbol was also tested also for horizontal use and a drop over a Type A edge has been successfully tested.(Sharp Edge Approved)
- Type A edge definition: A steel edge with a radius of $r = 0.5$ mm and without burrs was used for the test. Due to this 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 the start of the work shows that the edge is very "cutting" and / or "free of burrs" (such as in case of an unclad roof parapet, a rusty steel girder or a concrete edge)
 - relevant measures shall be taken before the start of the work to prevent a drop over the edge or, before the start of work, an edge protection shall be mounted 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 adequate clearance of minimum 4 meters below, 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 a pendulum movement, the working area or lateral movements to both sides of the centre axis shall be limited to a maximum of 1.50 m. In other cases, no individual anchor points, but, eg., type C or type D anchor devices in accordance with EN 795:2012 shall be used.
 - a. The Retractable Fall Arrester Block can also be used with Type C anchor device.
 - b. The deflection of the anchor device 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.
 - c. Care must be taken to avoid collision with any obstruction in the event of a fall.
 - d. It is advised that, for the event of a fall over the edge, special pre-planned rescue measures must be taken under the guidance of a well-trained and competent personnel.

INSTRUCTION FOR MAINTENANCE

- 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 250C to 500C using a neutral detergent. It should be allowed to dry by itself and be kept away from open fire 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.

STORAGE AND TRANSPORT

When not in use, store the equipment in a well-ventilated area away from extremes of temperature. Never place heavy items on top of it. If the product is wet, allow it to dry fully before placing it into storage.

WARRANTY

All AUSTLIFT products bear 1-year warranty against manufacturing defects, applicable on Unused AUSTLIFT products, from the date of purchase. However, AUSTLIFT shall not be liable for any accident or damage while the product is in use.

LIFESPAN

The estimated product lifespan of this product is 10 years from the date of manufacturing. The following factors can reduce the lifespan of the product : intense use, contact with chemical substances, specially aggressive environment, extreme temperature exposure, UV exposure, abrasion, cuts, violent impacts, bad use or maintenance.

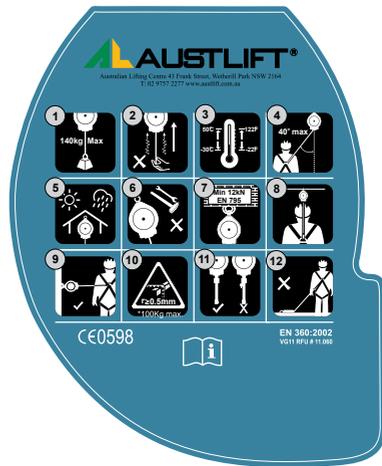
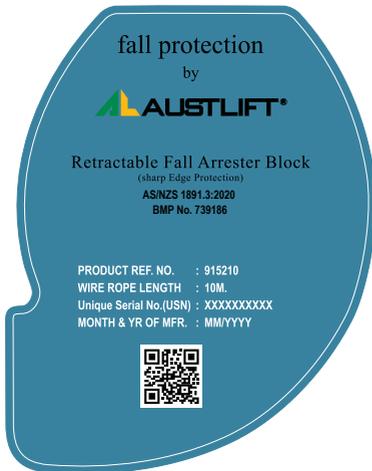
MAINTENANCE

- Do not make any alterations or additions to the equipment without the manufacturer's prior written consent. Any repair shall only be carried out in accordance with manufacturer's procedures.
- The equipment shall not be used outside its limitations or for any purpose other than Load arrest.
- It is recommended to regularly check fastening and/or adjustment element during use.
- Care must be taken to avoid any dangers that may arise by the use of combinations of items of equipment in which the safe function of anyone is affected by/or interferences with the safe function of others.
- In case of any doubt arising about the safety of the equipment, it should be replaced immediately on consultation with an expert. Withdraw from use any equipment that has been used to arrest a load & return it to the manufacturer or competent repair centre for servicing & retest. Do not use again until confirmed in writing by a competent person that it is acceptable to do so.
- It is essential for safety that the anchor device or anchor point should always be positioned and the work carried out in such a way, as to minimise potential load arrest distance.
- If the product is re-sold outside the original country of destination, the reseller shall provide instructions for use, for maintenance & periodic examination and for repair in the language of country in which the product is to be re-sold.

DISCLAIMER

This information on the product is based upon technical data that AUSTLIFT obtained under laboratory conditions and believes to be reliable. AUSTLIFT does not guarantee results and takes no liability or obligation in connection with this information. As conditions of end use are beyond our control it is the user's responsibility to determine the hazard levels and the use of proper personal protective equipment. Persons having technical expertise should undertake evaluation under their own specific end-use conditions, at their own discretion and risk. Please ensure that this information is only to check that the product selected is suitable for the intended use. Any product that is damaged, torn, worn or punctured should be immediately discontinued from usage .

INSTRUCTION FOR MAINTENANCE



1. To be used by person weighing upto 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. Ensure that wire rope has no cuts or abrasion marks before use.
12. 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.

The Retractable Fall Arrester is marked with:

- (i) Identification of the manufacturer
- (ii) Standards that the product complies with
- (iii) BMP certification number
- (iv) Product Ref. No.
- (v) Wire Rope Length
- (vi) Unique Serial Number (USN) : XXXXXXXXXXXX
- (vii) Month & Year of Manufacture



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