



USER INSTRUCTION MANUAL
SLOW RETRACTING FALL ARRESTER

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

AFSR51010

CE 0598
EN 360:2002

Please read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the worker's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

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

The Slow Retracting Fall Arrestor is classed as a Personal Protective Equipment (PPE) by the European PPE Regulation (EU) 2016/425 and has shown to comply with this Regulation through the Harmonized European Standard EN 360:2002.

This Retractable Fall Arrestor 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.**

1. PERFORMANCE AND LIMITATIONS OF USE:

The equipment has been tested in accordance with EN 360:2002 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 4.4 Static Strength (EN 364:1993)	12kN sustained for 3 minutes without failure (Wire) (PASS).
Clause 4.5 Dynamic Performance (EN 364:1993)	When tested with the test mass of 140 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).

2. POSSIBLE USAGE:

This Retractable Fall Arrestor 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 oval Karabiners to EN 362. The equipment is to be used specifically in vertical condition. Material of the lanyard -

- for wire rope block - 4.5mm dia Galvanized steel wire.

3. HOW TO USE :

- STEP 1 :** Connect the anchorage eye at the top of the Retractable Fall Arrester to a suitable anchorage point situated above the user's head using Karabiners as per EN 362 & 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.



4. WARNING :

- Ensure that the medical condition of the user does not affect his safety in normal and emergency use.
- The Retractable Fall Arrester shall only be used by a person trained and competent in its safe use.
- A rescue plan shall be in place to deal with any emergencies that could arise during the work.
- Do not make any alterations or additions to the Retractable Fall Arrester without the manufacturer's prior written consent and that any repair shall only be carried out by personnel trained by the manufacturer & duly authorized by him.
- The Retractable Fall Arrester shall not be used outside its limitation, or for any purpose other than that for which it is intended.
- Safety of user depends upon the continued efficiency and durability of the equipment.
- Periodic inspection should be performed at least every 12 months. During inspection factors such as legislation, equipment type, frequency of use and environmental conditions should also be taken into account.
- This is advised that Annual Inspection should be done by competent person strictly in accordance with manufacturer's periodic examination procedure & if found any discrepancy in product service will be done at authorized service center only.

5. ADVICE & INFORMATION :

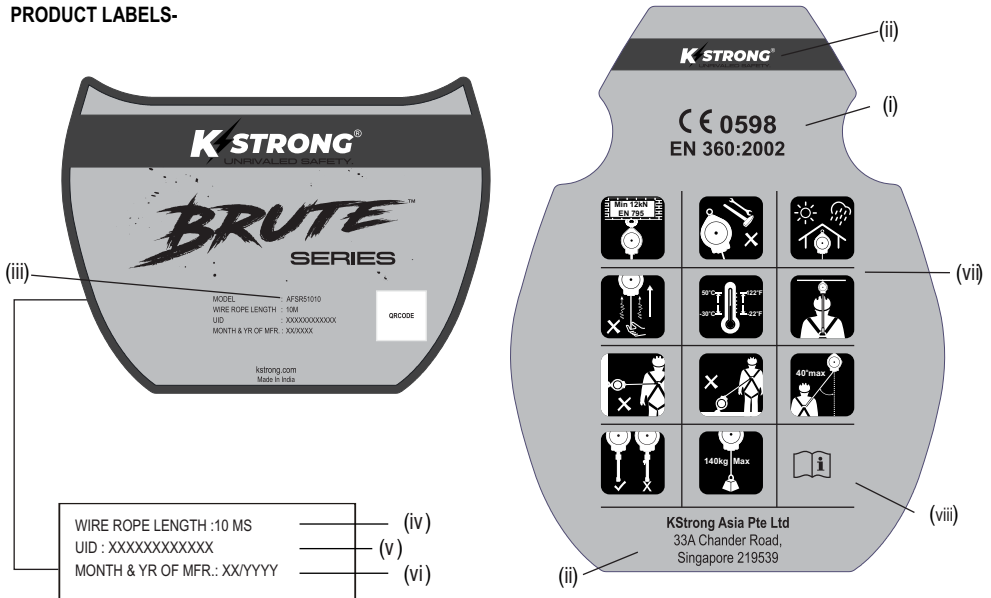
- The Retractable Fall Arrester should be the personal property of the user.
- Ensure that the Retractable Fall Arrester is compatible with other items when assembled into a system.
- Usage with other non-compatible items may be dangerous and hazardous as the safe function of one item may be affected 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.
- Immediately withdraw from use 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.
- Use karabiner conforming to EN 362 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.
- User is advised to keep the User Instructions document for the life of product.
- Following conditions may be hazardous & may affect the performance of Retractable Fall Arrester:-
 - Extreme temperature.
 - Trailing or looping of Lanyards over sharp edges.
 - Extreme acidic or basic environments.
 - Abrasive or sharp edge structures which can damage the equipment.
 - 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 in to be used
- This is advised that Annual Inspection should be done by competent person & if found any discrepancy in product service will be done at authorized service center only.
- A full body harness is the only acceptable body holding device that can be used in a fall arrest system.
- Check the legibility of the product markings.
- The components of the complete system should not be substituted.

INSTRUCTION FOR MAINTENANCE : Strictly follow the maintenance instructions procedure mentioned 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 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.
- This is advised that Annual Inspection should be done by competent person & if found any discrepancy in product service will be done at authorized service center only.

PRODUCT LABELS-



WIRE ROPE LENGTH :10 MS (iv)
 UID : XXXXXXXXXXXXX (v)
 MONTH & YR OF MFR: XXYYYY (vi)

MARKING EXPLANATION -

The Retractable Fall Arrester is marked with:

- (i) The CE mark showing that the product meets the requirements of the PPE Regulation (EU) 2016/425
- (ii) Identification & address of manufacturer's
- (iii) Type or product code
- (iv) Wire Length

- (v) UID
- (vi) Month/Year of Manufacture
- (vii) Norm & Year
- (viii) Read the instruction before use

ICON EXPLANATION

Keep away from sunlight or heavy rains.



Ensure that the anchorage point has strength of min 12kN.



Ensure that the max angle between the vertical & the lanyard is 40°.



Ensure that wire rope has no cuts or abrasion marks before use.



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.



Can not be used for horizontal applications.



Connect the lanyard to the Dorsal attachment element of your harness.



Use between temperature range of -30°C to + 50°C.



To be used by person weighing upto than 140 kgs.



Do not attempt repair unless trained by the manufacturer.



Do not use this block at foot level application.



KStrong Asia Pte Ltd
33A Chander Road, Singapore 219539
Contact Email: customercare@kstrong.com

www.kstrong.com

USA

South America

ASIA
