

USER INSTRUCTION MANUAL
FXLINE GUIDED TYPE FALL ARRESTER

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODEL:

AFG801002-XX*

CE 0598
EN353-2:2002

XX denotes the length of line

Ladder is for reference purpose only

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 user'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.

1. **INTRODUCTION:** The Fall Arrester (AFG801002-XX*) 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 353-2:2002. This 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 related activity.**
2. **PERFORMANCE AND LIMITATIONS OF USE:** The Fall Arrester has been tested in accordance with EN 353-2:2002 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). No unnecessary features which add significantly to overall mass (Pass).
Clause 4.2 Materials & Construction	(PASS).
Clause 4.3 Locking after Conditioning (EN 364:1992)	After conditioning, it locks & remains locked until released with 5 kg Max. (PASS)
Clause 4.4 Static Strength	15kN sustained for 3 minutes without release (Webbing) (PASS).
Clause 4.5 Dynamic Performance (EN 364:1992)	Arrest force 5.8 kN, Arrest distance 0.5 m (PASS).
Clause 4.7 Corrosion Resistance (EN 364:1992)	Corrosion test in accordance with ISO 9227:1990-24 hours (PASS).

3. **APPLICATION:** This Fall Arrester (AFG801002-XX*) is a guided type Fall Arrester on a flexible anchorage line made of a galvanized steel wire rope of dia 8.0mm. It accompanies the user without requiring manual adjustment during upward or downward movement, and locks automatically on the anchorage line when a Fall occurs. The length of lanyard to be used for connection between the Fall Arrester & harness including two karabiners & energy absorber should be 46.0 cms.
4. **INSPECTION:**
 - Visually inspect the system before each use to ensure that it is in a serviceable condition and is operating correctly. If during inspection, doubts are raised about the safety of the system or a component, these should be replaced either by the manufacturer or a competent person.
 - A formal inspection of fall protection products/components must be performed preferably every six months or at least annually by a competent person other than the user. The frequency of formal inspections should be based on conditions of use or exposure. Record the inspection results in the inspection and maintenance log at the end of this manual. The component should be checked for cut, frayed, heavily soiled, welding burns etc. Metal parts like D-rings should be duly check for the crack, bent, deformities, corrosion etc.
 - Make a visual inspection of the system to ensure that it is in a serviceable condition & operates correctly. Also ensure that the recommendations for use with other components within a system as advised on the check card are complied with. Ensure that the harness used conforms to EN361 and the Karabiner is connected to the attachment element of the harness. Also ensure that the harness has an attachment point located appropriately in relation to the Fall Arrester. We recommend the user to use Full Body Harness with front attachment elements only. Use the Fall Arrester only with the Anchorage Line supplied by the manufacturer. Do not use rope from any other source. While attaching the anchorage line to the anchor point, only use karabiners according to DIN EN 362.
5. **PRECAUTIONS:**
 - Ensure the Medical condition of the user does not affect his safety in normal and emergency use.
 - The equipment 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.
- Ensure that the anchor is installed directly above the user's head.
- Ensure that the equipment is compatible with other items when assembled into a system.
- It is essential to verify free space required beneath the user at work place before each occasion of use so that in case of a fall there will be no collision with ground or other obstacle in the fall path.
- 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 both the potential for Falls & potential Fall distance.
- Only use a full body harness with the system as it is the only acceptable body holding device that can be used in a Fall arrest system.
- While using the Fall Arrester, it is essential for safety to verify the free space required beneath the user at the work place before each occasion of use. It should be min. 2.5ms below the feet of the user.

6. HOW TO USE:

• Follow Step 1 to Step 4 to use the Fall Arrester (AFG801002-XX)

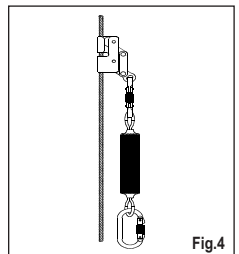
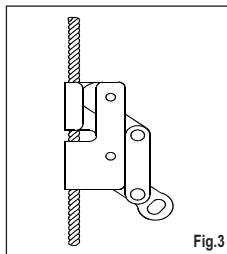
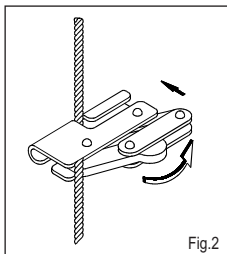
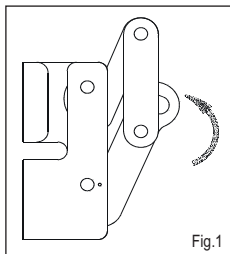
STEP 1: Push the attachment lever of the Fall Arrester to its uppermost position as shown in Fig. 1.

STEP 2: Now insert the middle slot on to the wire rope anchorage line as shown in Fig. 2.

STEP 3: Turn the Arrester up & release the attachment lever for it to clasp the anchorage line as shown in Fig. 3.

STEP 4: Now connect the energy absorber with karabiner on to the attachment ring & in turn connect it to the attachment element of the harness of the user. You are now free to move up & down with the Fall Arrester accompanying you all the time.

(See Fig. 4).



7. **ANCHORAGE STRENGTH** : The flexible anchor line (galvanized steel wire rope) shall be connect to an anchor point correctly ensuring that the strength of anchor device is greater than 12kN & the anchor point should be situated above the user's head. Also the connection of anchorage line to the anchorage point should be fail proof.
8. **MATERIAL USED** : Apart from the rope which is made up of mild steel, other mechanical parts are made up of stainless steel.
9. **PROTECTION AGAINST HAZARDS DURING USE** :
 - While using the anchorage line make sure that it is not positioned in such a way that the user trips over it. While using the anchorage line any sharp metallic object near it can cause abrasion and destroy it.
 - Ageing due to cold, heat, moisture and direct sunlight.
 - Deterioration due to chemicals such as oils, acids, solvents and sea water.
 - Inappropriate choice of the Fall Arrester in related to the risk concerned eg. using the Fall Arrester as a Fall arrest component.
 - Inappropriate combination with other equipment.
 - Use by a person lacking sufficient safety awareness.
 - Unnecessary physical loading (static or dynamic).
 - Improper use by untrained persons.
 - Deterioration through mechanical wear, water or soiling.
 - Inappropriate storage, maintenance or cleaning.

10. LIMITATIONS:

- The Fall Arrester should be used by a person trained and competent in its safe use.
- It should be a personal property of the user.
- 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 of purchase.

11. COMPATIBILITY: To optimise protection, in some instances it may be necessary to use the Fall Arrester with suitable ppe such as boots/gloves/helmet/ear defenders. In this case, before carrying out the risk-related activity, consult your supplier to ensure that all your protective products are compatible and suitable for your application.

12. REPAIR : If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore it should be immediately removed from service. Never use the damaged product. Repairing is permitted, provided that it is either done by the manufacturer or a competent repair centre or individual approved by the manufacturer.

13. WITHDRAW FROM USE: In case of any doubt arising about the safety of the Fall Arrester, it should be replaced immediately on consultation with an expert. Withdraw from use any Fall Arrester that has been used to arrest a Fall & 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.

14. STORAGE AND TRANSPORT: When not in use, store the Fall Arrester 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.

15. INSTRUCTIONS FOR MAINTENANCE

- Proper maintenance of the equipment is essential for its successful performance.
- Regular cleaning is essential. In case of minor soiling, wipe with cotton cloth or soft brush. Do not use abrasive material. For intensive cleaning, it can be washed with water using neutral detergents. Do not use acidic or basic detergents.
- If the Fall Arrester is wet, it should be allowed to dry naturally & kept away from direct heat.
- Store in a cool dry place. Avoid humid & acidic environment for storage.

16. HOW TO DISPOSE A FALL ARRESTER:

When the Fall Arrester becomes unfit or in case of any wear and tear, dispose the Fall Arrester immediately.

Follow the steps for disposal:

- Make the three plastic crates namely- Textile, Metal & Plastic for placing the respective components of the Fall Arrester.
- Spread the Fall Arrester on a table / flat surface.
- Inspect the wear & tear present on the Fall Arrester.
- Now, using a sharp pair of scissors first cut the Textile and dismantle the Fall Arrester.
- Now remove the metal & plastic components separately from the Fall Arrester.
- Put the Textile, Plastic & Metal components in their respective plastic crates.

17. WARNING:

- 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 Fall Arrester shall not be used outside its limitations or for any purpose other than fall arrest.

18. INSTRUCTIONS FOR PERIODIC EXAMINATIONS:

- It is emphasized that periodic examination of the Fall Arrester is important as the safety of the user depends upon continued efficiency and durability of the equipment.
- It is recommend that the Fall Arrester is periodically examined at least once every year.
- The periodic examination should be conducted by a competent person and strictly in accordance with the our laid procedures.
- It is important to check the legibility of the markings in every examination.

MARKING

The Fall Arrester is marked with :

- (i) The CE mark showing that the product meets the requirements of the Regulation (EU) 2016/425
- (ii) Identification of the manufacturer
- (iii) Type or product code
- (iv) Year of Manufacture
- (v) Right Direction of usage.
- (vi) UID for Traceability

LIFESPAN: The estimated product Lifespan is 10 years from the date of manufacture. The following factors can reduce the Lifespan of the product: intense use, contact with chemical substances, specially aggressive environments, extreme temperature exposure, UV exposure, abrasions, cuts, violent impacts, bad use or maintenance.

DISCLAIMER: Prior to use, the end user must read and understand the manufacturer's instructions supplied with this product at the time of shipment and seek training from their employer's trained personnel on the proper usage of the product. Manufacturer is not liable or responsible for any loss, damage or injury caused or incurred by any person on grounds of improper usage or installation of this product.

EQUIPMENT RECORD				
Product				
Model & type/identification	Trade Name		Identification number	
Manufacturer	Address		Tel, email into use	
Year of manufacture	Purchase Date		Date first put into use	
Other relevant information (eg. document number)				
PERIODIC EXAMINATION AND REPAIR HISTORY				
Date	Reason for entry (periodic examination or repair)	Defects noted, repairs carried out and other relevant information	Name and signature of competent person	Periodic examination next due date

Certification Body :

SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin D15 YN2P Ireland (Notified Body 2777)

Ongoing Assessment Body:

SGS Firmko Oy, P.O. Box 30 (Särkiniementie 3), 00211 HELSINKI, Finland (Notified Body 0598)

For EU Declaration, please visit <https://kstrong.com/asia/eu-declaration-form/>



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