K-STRONG®
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WRANGLER™

USER INSTRUCTION MANUAL

TEMPORARY HORIZONTAL LIFELINE

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODEL:

AFA940001

CE 0598

EN 795:2012 Type B+C &
TS 16415:2013 Type B+C

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:** This equipment 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 795:2012 Type B+C & TS 16415:2013 Type B+C.

2. **CAREFULLY READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT:**

- Anchor device Type B+C model AFA940001 has been designed to protect the final user against falls from a height during Work at Height activities e.g. Construction of Buildings, working on roof tops, access & egress etc. activities.

  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.

  Category III PPE includes exclusively the risks that may cause very serious consequences such as death or irreversible damage to Human Body.
- To check the compliance of the devices to the essential health and safety requirements (Annex II of the Regulation (EU) 2016/425) applied the harmonized standard EN 795:2012 and the technical specifications CEN/TS 16415:2013 that are the most suitable technical standards applicable to this type of PPE.
- Anchor device type B+C model AFA940001 is designed to be removed from the structure. AFA940001 is composed by a main webbing used as flexible anchor line, adjustable in length by means of a metallic ratchet, that also gives the tension on the horizontal line during use. It's equipment with two extremity anchor straps, to anchor the structure without the need of structural anchors or fixing elements.The use by 2 users simultaneously is outside the scope of PPE Regulation (EU 2016/425).
- The Anchor device Type B+C model AFA940001 is designed to prevent risks of falls from a height occurred during Work at Height activities E.g. Construction of Buildings, working on roof tops, access & egress etc. activities.

  They are intended to be inherently dangerous in nature and the manufacturer has ensured that the product is fit for the purpose, easy to install, tested for the kind of environment & to be used as per User Instructions provided along with the product.
- User have to read carefully informative note provided with the device: any use not indicated or forbidden in the informative note shall not be performed by the user.
- Pre-use inspection of the equipment is mandatory each time for a user. User must have the training how to use the equipment properly.
- Even when used correctly, the protection provided depends on the other compatible equipment & the knowledge of user on the usage of this particular product of providing adequate protection.
- The evaluation of the gravity of the damage based on the exam of the potential consequences for the health and the safety due to the risks associate to the product.

3. **PERFORMANCE AND LIMITATIONS OF USE:** The lifeline has been tested in accordance with EN 795:2012 Type B+C & TS 16415:2013 Type B+C and has achieved the following performance levels :

EN 795:2012 Test	Result/Comment
General Requirements for Anchor Devices (Clause 4.1)	(PASS) No sharp edges (PASS).
Static Strength (Clause 4.4.2.3)	Sustained a force of 18 kN for 3 minutes (PASS).
Dynamic Strength & Integrity Test (Clause 4.4.1.2)	When tested with rigid steel mass of 100 kg, the test mass held after test with the device remaining stable throughout. (PASS). Anchor holds an increased load of 300kg for 3 min following dynamic test. When tested with a steel mass of 100Kg, Minimum Span Length (5mtr): Max. Peak Load of 7.3 kN & Max Deflection of 670mm Maximum Span Length (20mtr): Max. Peak Load of 5.2 kN & Max Deflection of 2210mm
Corrosion Resistence (Clause 4.2.2.1)	No corrosion evident after 48 hours of salt spray testing. (PASS)

TS16415:2013 Test	Result/Comment
Dynamic Strength & Integrity Test (Clause 4.2.2.1) Dynamic Strength & Integrity Test (Clause 4.2.2.1) Static Strength Test (Clause 4.2.2.2)	200kg mass held clear off the ground when tested with a test lanyard at the center of the lifeline - 1. Minimum Span Length(5mtr) : Peak arrest force: 7.8kN; Maximum Deflection : 780mm Residual strength: 600kg sustained for 3 minutes 2. Maximum Span Length(20mtr):Peak arrest force: 6.4kN; Maximum Deflection : 2620mm Residual strength: 600kg sustained for 3 minutes 19kN sustained for 3 minutes without any failure

4. **INFORMATION FOR USE :** The Temporary Horizontal Lifeline - AFA940001 is to be used as a mobile anchorage line in applications where there is no permanent anchorage line along a length. However there is a restriction of maximum 20ms length. It is ideal for usage between 5 m. to 20 m. It can also be used for 2 persons simultaneously & has been tested accordingly.

5. **HOW TO USE :** Follow the steps below to use the Anchorage Line :

Step 1 : Identify two anchorage points such that the line joining the two lies on the area on which the anchorage is sought for. Ensure that the strength of anchor is more than 18kN for single user and 23kN for two users by consulting a competent person who can assess such anchorage points.

Step 2 : Now attach the Karabiner on the shorter side of the anchorage line to one of the anchor points.

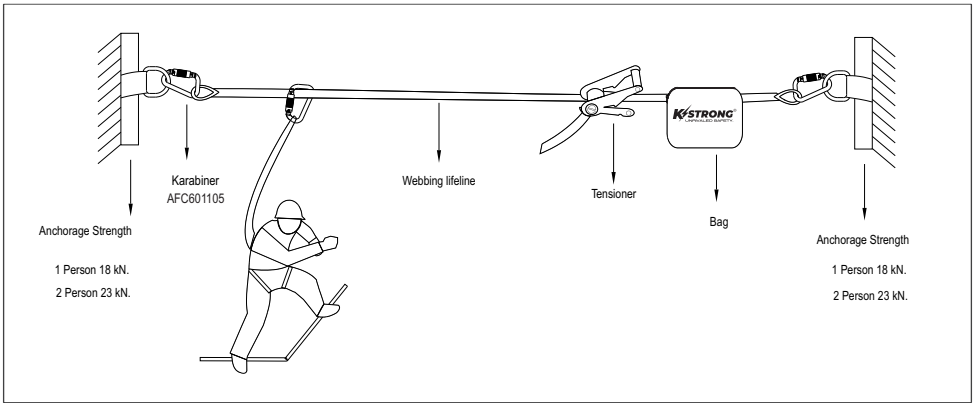
Step 3 : Unreel the webbing roll taking the other Karabiner and connecting to the other anchor point.

Step 4 : Now pull out the extra webbing in the ratchet such that the anchorage line becomes fairly taught.

Step 5 : Now use the Ratchet Tensioner to tighten the anchorage line such that it becomes taught. Ensure that it is not tightened excessively. Just roll the extra webbing manually & stuff it in to the bag.

Step 6 : Now connect either the termination Karabiner of the lanyard, or a retractable lanyard to the anchorage line while connecting the other end to the attachment element of your harness. Make sure that the lanyard is as per EN 355:2002 or the retractable lanyard is as per EN 360:2002.

Step 7 : You can now work comfortably along the anchorage line while remaining anchored at all times.



6. IMPORTANT INFORMATION: The Horizontal anchor line & the anchor points need to be above the user's head Horizontal anchor line is intended for use on spans upto 20m. For a fall of a 100kg personnel with anchor line fitted on spans of 5m., 10m. & 20m., the typical peak line deflection from the original position are stated in table below:

Span Length (m.)	Deflection of 1 User (m.)	Deflection of 2 Users (m.)
5	0.5	0.7
6	0.6	0.9
7	0.6	1.0
8	0.7	1.2
9	0.8	1.3
10	0.9	1.5
11	1.0	1.6
12	1.1	1.8
13	1.2	1.9
14	1.3	2.1
15	1.4	2.2
16	1.5	2.4
17	1.6	2.5
18	1.7	2.7
19	1.8	2.8
20	1.9	3.0

7. ADVICE & INFORMATION:

- The equipment should be the personnel property of the user.
- Ensure that the equipment is compatible with other items when assembled into a system.
- Usage with other non 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 equipment, 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 webbings and sign of corrosion if any on metal parts.
- Withdraw from use immediately if there is any doubt about its safe condition or if it has already arrested a fall.
- Ensure that the strength of the permanent anchor points to which lifeline is connected is greater than 18KN (for Textile) & 12KN (for Metal).
- Connect to the anchor devices using Karabiner as per EN 362:2004 & ensure that they are locked properly.
- It is advisable to connect the dorsal attachment D-Ring of the harness to the anchorage line. However the front attachment element may be used if situation does not permit.
- It is essential to ensure that the free space beneath the user is about 6m. to allow for line deflection during the fall and to ensure that 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 equipment :-
  - Extreme temperatures
  - 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.
- In case, users have missed pre-inspection / periodic inspection of the equipment and the provided log has not been filled properly for a long time, then it must be withdrawn from further usage.
- 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.

8. MATERIAL USED : Textile Part used in the equipment is made up of High Tenacity Polyester.

9. INSTRUCTION FOR MAINTENANCE:

- Follow the maintenance instructions procedure laid below strictly.
- 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 not more than 40°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.

10. PERIODIC EXAMINATION:

- It is important to conduct regular periodic examination of the product because the safety of the user depends upon the continued efficiency & durability of the product.
- The frequency of examination should be at least once in a year however it can be more than once if legislation requires, or frequency of use is high or environmental conditions have an adverse affect on it e.g. excessive rain, sea side environment, excessive heat etc.
- It is emphasized that the examination be conducted only by a competent person and strictly in accordance with the manufacturer's periodic examination procedures.
- It is also advised the competent person be duly trained and authorized by the manufacturer.
- Ensure that all markings on the product are legible and can be clearly read.
- It is the responsibility of the user to keep the below record card update by entering the details mentioned in it.

11. WARNING:

- Ensure that 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.
- Do not make any alterations or additions to the equipment without the manufacturer's prior written consent and that any repair shall only be carried out in accordance with manufacturer's permission.
- The equipment shall not be used out side its limitation, or for any purpose other than that for which it is intended.
- Ensure the Medical condition of the user does not affect his safety in normal and emergency use.
- A rescue plan shall be in place to deal with any emergencies that could arise during the work.
- It is essential for the safety of the user that if a product is re-sold outside the original country of destination the reseller shall provide instructions for use for maintenance, for periodic examination and for repair in the language of the country in which the product is sold.
- The equipment shall not be used outside its limitation, or for any purpose other than that for which it is intended.
- The device should be used with appropriate combinations only. The user should not make any combination which compromises safe function of any other devices used in combination or entire fall protection system or rescue system.

12. HOW TO DISPOSE AN ANCHORAGE LINE:

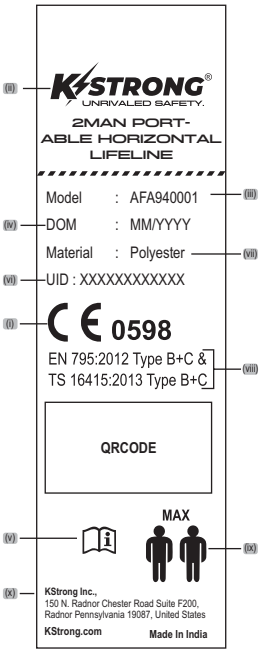
When the Anchorage Line becomes unfits or in case of any wear and tear, dispose the Anchorage Line immediately.

Follow the steps for Disposal:

- Make the three plastic crates namely- Textile, Metal & Plastic for placing the respective components of the Anchorage Line.
- Spread the Anchorage Line on a table / flat surface.
- Inspect the wear & tear present on the Anchorage Line.
- If any wear and tear is observed, dispose the Anchorage Line using a sharp scissor; first cut the Textile and dismantle the Anchorage Line.
- Put the Textile, Plastic & Metal components in their respective plastic crates.

13. MARKING ON PRODUCT: The Horizontal Anchor Line is marked with :

(i) The CE mark showing that the product meets the requirements of the European PPE Regulation (EU) 2016/425 and
Number of the ongoing assessment body
(ii) Brand of the manufacturer
(iii) Type or product code
(iv) Month and Year of Manufacture
(v) Pictogram that indicates to read the instructions
(vi) UID for Traceability
(vii) Material
(viii) Number and year of standard and Type of Anchor device
(ix) Number of maximum users
(x) Identification of the manufacturer and address



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 :
Dolomiticert Scarl, Z.I. Villanova - 32013 Longarone (Bl) (Notified Body 2008)

Ongoing Assessment Body:
SGS Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland (Notified Body 0598)

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

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