



KAPTURE ESSENTIAL

USER INSTRUCTION MANUAL
RESTRAINT LANYARD

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODEL:

AFL406111, AFL406151, AFL406301, AFL406341, AFL406601

CE 0598
EN 354:2010

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 :** These Restraint Lanyards are 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 354:2010. The forked lanyards are tested in accordance to VG11.

These Lanyards are 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. DESCRIPTION:**

PRODUCT CODE	CATEGORY	PRODUCT DESCRIPTION	MAX LOAD RATED
AFL406111	Essential	Restraint Single Leg Twisted Rope Lanyard	140kg
AFL406151	Essential	Restraint Single Leg Twisted Rope Lanyard	140kg
AFL406301	Essential	Restraint Resistant Adjustable Webbing Lanyard	140kg
AFL406341	Essential	Restraint Twin leg Resistant Adjustable Webbing Lanyard	140kg
AFL406601	Essential	Restraint Twin leg Twisted Rope Lanyard	140kg

- 3. PERFORMANCE AND LIMITATIONS OF USE:** The Lanyards have been tested in accordance with EN 354:2010 and have achieved the following performance levels:

EN 354:2010 test	Result/Comment
Clause 4.1 Design and Ergonomics	Achieves required performance requirement
Clause 4.2 Material & Construction	Achieves required performance requirement
Clause 4.5 Static strength	Achieves required performance requirement

- 4. POSSIBLE USAGE:** These Lanyards 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, as least 12kN) shall be used. Attachments between these lanyard and the anchor points and other equipment shall be made using Karabiners as per EN 362:2004. An Energy Absorber to EN 355:2002 shall be used in conjunction with this lanyard. Restraint Adjustable Rope Lanyards are incorporated with metal adjuster to adjust the length of the Lanyard.

- 5. IMPORTANT NOTICE:**

- Total length of a sub system with a lanyard including an energy absorber, terminations and connectors shall not exceed 2.0m.
- Maximum adjustable length for the Adjustable Rope Lanyards will also be upto 2.0m only.
- Do not use a lanyard without an energy absorber for fall arrest systems.
- The strength of the anchor device should be greater than 12kN and the anchor point should be situated above the user's head.
- Connect the lanyard to the anchorage point using the connector provided at one end. (If connector not provided, use Karabiners complying to EN 362:2004).
- The other end should be connected to the attachment element of the full body harness incorporating an energy absorber in case used for fall arrest systems.
- To optimize protection, in some instances it may be necessary to use the lanyard with suitable other components. In this case before carrying out the risk related activity, consult your supplier to ensure that all components are compatible and suitable for your application.
- If the risk assessment carried out before the start of work shows that loading in the case of a user over an edge is possible, appropriate precautions must be taken.

- The user should minimize the amount of slack in the lanyard near a fall hazard.
- These lanyards cannot be choke hitched.
- Two separate lanyards each with an energy absorber should not be used side by side (i.e. parallel), for such instance usage of double leg lanyard is recommended.

6. MATERIAL USED:

- **Twisted Rope Lanyards** - Polyamide
- **Webbing Lanyards** - Polyester
- **Kernmantle Rope Lanyards** - Polyamide

7. PRE-CHECK USE:

- Since all lanyards are made of polymers, the performance of which gets affected by temperatures, effect of sharp edges, electrical conductivity, chemical regents, cutting, abrasion, UV degradation etc, it is advised to consult your supplier for use in above extreme conditions.
- Ensure before & during use that a rescue plan is in place to rescue the user after a fall has occurred.
- These lanyards should only be used by a trained and/or otherwise competent person or the user should be under the direct supervision of such a person.

8. ANCHORAGE INSTRUCTION: The strength of the anchor device should be greater than 18kN (for Textile) & 12kN (for Metal).**9. WARNING:**

- It is essential to verify that the medical condition of the user is fit to use the lanyards in normal and emergency use.
- 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 the manufacturer's procedures.
- While using the lanyard, ensure that the fall is not more than 2m i.e. the distance between the anchor point & the final position of the user after the fall has occurred.
- Lanyard should be the personal property of its user.
- It is important to check before use any dangers that may arise by the use of combinations of items of the equipment in which the safe function of any one item is affected by or interferes with the safe function of another.
- Carry out a pre-use check of the lanyard, to ensure that it is in a serviceable condition and operates correctly before it is used.
- Inspect all the rope or webbing of lanyard for cuts/abrasion marks. Also check all connectors of the lanyard for proper mechanical functioning & effects of corrosion or mechanical deformation if any on parts of the connectors in the lanyard.
- Withdraw from use any lanyard for which any doubt arises about its condition for safe use or in the event, a fall has been arrested by it.
- If the lanyard is used in a fall arrest system, it is advisable to connect only to the dorsal attachment D-Ring of the harness.
- If lanyard is used in fall arrest system, it is essential for safety that the anchor device or anchor point is always positioned, and the work carried out in such a way, as to minimize both the potential for falls and potential fall distance. Ensure that the anchor point is above the user's head.
- Only a full body harness complying to EN 361:2002 shall be used as a body holding device within the fall arrest system.
- If used within fall arrest systems, it is essential to verify the free space required beneath the user at the work place before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or other obstacles in the fall path.
- If the product is resold 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 to be used.
- 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.
- When adjusting the length of a lanyard to avoid the risk of a fall, the user should not move into an area where there is a fall hazard.

10. INSTRUCTIONS FOR MAINTENANCE:

- **Cleaning Procedure:** In case of minor soiling, wipe the lanyard with cotton cloth or a soft brush. Do not use any abrasive material. For intensive cleaning wash the lanyard in water at a temperature not more than 40°C using a neutral detergent (pH7). Do not use acid or basic detergents.
- **Drying Procedure:** If the lanyard becomes wet, either from by in use or when due to cleaning, it should be allowed to dry naturally and shall be kept away from direct heat.
- **Storage Procedure:** When not in use, store the lanyard in a well-ventilated area away from extremes of temperature. Never place heavy items on top of it. If possible, avoid excessive folding and preferably store it hanging vertically. If the product is wet, allow it to dry fully before placing it into storage. It is preferred that the product be transported in its original packing. However if not available, it may be stored in an air tight bag & transported.

11. PERIODIC EXAMINATION:

- The lanyards need to periodically examined because the safety of the user depends upon the continued efficiency & durability of the lanyard.
- It is important to examine it at least once in every 12 months.
- Periodic examination is to be conducted by a competent person and strictly in accordance with the manufacturer's periodic examination procedures.
- Periodic examination also requires checking the legibility of the product markings.

- 12. INSTRUCTIONS FOR REPAIR:** If the product becomes damaged, it will NOT provide the optimum level of protection, and therefore should be immediately removed from service. Never use the damaged product. Repair is only permitted by the manufacturer or a nominated repair centre or individual approved by the manufacturer.

13. MARKING ON PRODUCT: The Lanyard is marked with:

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

14. HOW TO DISPOSE A LANYARD: When the lanyard becomes unfit or in case of any wear and tear, dispose the lanyard immediately.

Follow the steps for Disposal:

- Segregate the equipment in three different crates for placing components in them respectively as- Textile, Metal and Plastic.
- Spread the lanyard on a table / flat surface.
- Inspect the wear & tear present on the lanyard.
- Now, using a sharp pair of scissors first cut the Textile and dismantle the lanyard.
- Now remove the metal & plastic components separately from the lanyard.
- Put the Textile, Plastic & Metal components in their respective plastic crates.

MARKING

**ESSENTIAL RESTRAINT
12MM TWISTED ROPE
LANYARD**

(iii)	Model	: AFL406111
(iv)	DOM	: MM/YYYY
(vii)	Material	: Polyamide
(viii)	Length	: 2.0 m
(v)	UID	: XXXXXXXXXXXXX

E 0598
(x)

EN 354:2010

Max. Rated Load
(Including all tools)

QR CODE

(xi)

(ix) **KStrong Inc.,**
150 N. Radnor Chester Road Suite F200 Radnor,
Pennsylvania 19067 United States
KStrong.com Made In India

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 Fimko Oy, Takomotie 8, FI-00380 Helsinki, Finland (Notified Body 0598)

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



KStrong Inc.
150 N. Radnor Chester Road Suite F200
Radnor, Pennsylvania 19087 United States
Contact number : 1-833-KSTRONG

www.kstrong.com

USA

South America

ASIA
