K-STRONG®
UNRIVALED SAFETY.

KAPTURE™ ESSENTIAL

KAPTURE™ EPIC

USER INSTRUCTION MANUAL

WORK POSITIONING LANYARDS AND POLE STRAPS

CE 0598
EN 358:2018

THESE INSTRUCTIONS APPLY TO THE FOLLOWING MODELS:

AFL405101, AFL405111, AFL405201, AFL405211, AFL405351, AFL405351(PR) AND AFL405301(PR)

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 Work Positioning Lanyards and Pole Straps are classed as a Personal Protective Equipment (PPE) by the European PPE Regulation (EU) 2016/425 and have been shown to comply with this Regulation through the Harmonized European Standard BS EN 358:2018.
2. **INSTRUCTIONS:** The Work Positioning Lanyards and Pole Straps 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.
3. **PERFORMANCE AND LIMITATIONS OF USE:** The Work Positioning Lanyard has been tested in accordance with EN 358:2018 and has achieved the following performance levels:

EN 358:2018 test	Result/Comment
Clause 4.1 Design, Construction and Ergonomics	Achieves required performance requirement
Clause 4.4 Static Strength	Achieves required performance requirement
Clause 4.5 Dynamic Strength	Achieves required performance requirement

Note: Work Positioning Lanyard Model AFL405301(PR) has also been tested in accordance with EN 795:2012 Type B & Type C as an adjustable anchor device and it has achieved the required performance level.

4. **PRODUCT DESCRIPTION:** The Work Positioning Lanyard is an adjustable lanyard whose length can be adjusted using length adjuster However the maximum length of the lanyard is limited to 2.0 mtrs only.

   The lanyard can be attached to the attachment elements of the work positioning belts using harnesses and belts connector. It can also be permanently incorporated on to a work positioning belt, but by the manufacturer only.

CODE	CATEGORY	DESCRIPTION	MATERIAL	COMPLYING NORMS
AFL405101	KAPTURE ELITE	WORK POSITIONING 14MM TWISTED ROPE ADJUSTABLE LANYARD (2.0M)	Polyamide Twisted Rope	EN 358:2018
AFL405111	KAPTURE ELITE	WORK POSITIONING 14MM TWISTED ROPE LANYARD (2.0M)	Polyamide Twisted Rope	EN 358:2018
AFL405201	KAPTURE ELITE	WORK POSITIONING ADJUSTABLE WEBBING LANYARD (2.0M)	Polyester	EN 358:2018
AFL405211	KAPTURE EPIC	POLE STRAP (2.0M)	Polyester	EN 358:2018
AFL405351 AFL405351(PR)	KAPTURE EPIC	WORK POSITIONING 11MM KERNMANTLE ROPE LANYARD (2.0M) AND AFL405351(PR) ALSO COMES WITH PROTECTIVE SLEEVE	Polyester	EN 358:2018
AFL405301(PR)	KAPTURE EPIC	WORK POSITIONING LANYARD 12MM KERNMANTLE ROPE 2.0M WITH PROTECTIVE SLEEVE	Polyester	EN 358:2018 EN 795:2012 TYPE B EN 795:2012 TYPE C

5. **INSTRUCTIONS TO BE FOLLOWED BEFORE USE:** Inspect the Work Positioning Lanyards and Pole Straps for any damage to the Rope or Webbing. Do not use the Work Positioning Lanyard in case of any damage or defectiveness. Ensure the compliance with recommendation for use as applicable to the combination with other components ensure the connector is correctly attached to the attachment as per EN362:2004) of the Work positioning system and specified on the identification card for the Work Positioning System or component. Ensure the connector is correctly attached and locked to the attachment as per EN362:2004

   Note: The Work Positioning Lanyard should be a personal property of its user. In use, the lanyard should be kept taut and free movement is restricted to a maximum of 0.60 m.

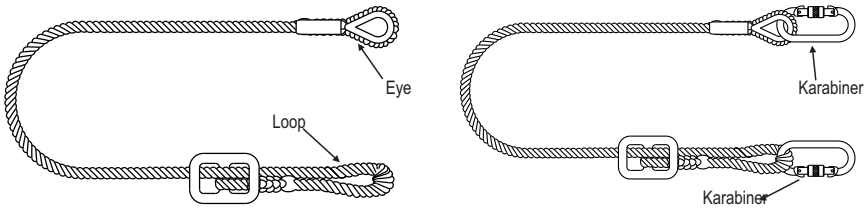
6. **HOW TO USE:**

KAPTURE ELITE WORK POSITIONING (AFL405101)

The Lanyard has two ends. One end is a small spliced eye while the other end is loop formed by the rope and the adjusting ring. To differentiate between the two we shall address the two ends as EYE and LOOP respectively.

STEP 1: Attach the karabiner to the EYE and the LOOP.

STEP 2: Now connect the lateral attachment element of your work positioning belt to one end, loop the lanyard twice around the vertical support and attach the connector to the other attachment element of the work positioning belt. Adjust the length of the lanyard using the Ring type adjuster.

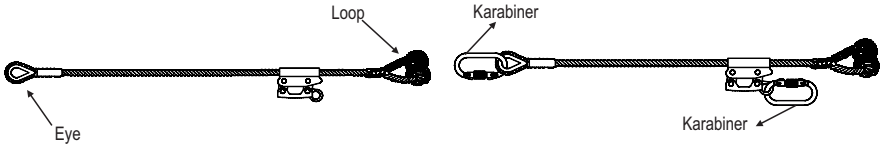


KAPTURE ELITE WORK POSITIONING (AFL405111)

The Lanyard has two attachment ends. One end is a small spliced eye while the other end is the attachment ring of the mechanical device.

STEP 1: Attach the karabiner to both attachment ends of the lanyard.

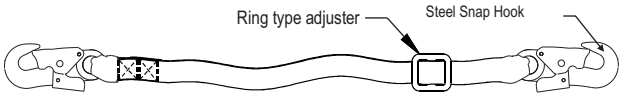
STEP 2: Now connect the lateral attachment element of your work positioning belt to one end, loop the lanyard twice around the vertical support and attach the connector to the other attachment element of the work positioning belt. Adjust the length of the lanyard using the mechanical device.



KAPTURE ELITE WORK POSITIONING (AFL405201)

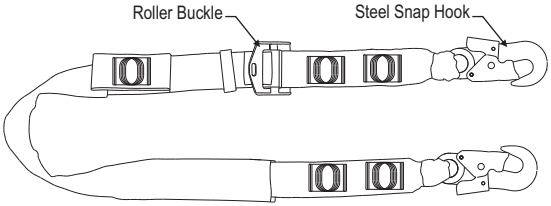
The Lanyard has two ends. One end is a stitched loop while the other end is loop formed by the webbing and the adjusting ring. To differentiate between the two, we shall address the two ends respectively.

- The lanyard has Steel snap hooks stitched at both the ends along with a length adjuster.
- Connect the lateral attachment element of your work positioning belt to one end, loop the lanyard twice around the vertical support and attach the connector to the other attachment element of the work positioning belt.
- Ensure that the lanyard anchorage point is maintained at or above waist level.



KAPTURE EPIC POLE STRAP (AFL405211)

- The lanyard has Steel snap hooks stitched at both the ends along with a length adjuster.
- Connect the lateral attachment element of your work positioning belt to one end, loop the lanyard twice around the vertical support and attach the connector to the other attachment element of the work positioning belt.
- Adjust the length of the lanyard using the length adjuster.
- Positioning Lanyard as would be used by a user.
- Ensure that the lanyard anchorage point is maintained at or above waist level.
- Looping the lanyard twice is recommended to prevent it from slipping down.



KAPTURE EPIC WORK POSITIONING (AFL405351) / AFL405351(PR)

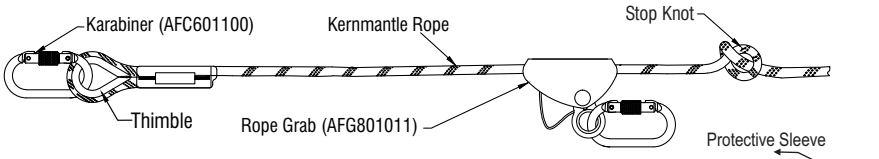
The Lanyard has two ends. One end is a stitched loop with thimble while the other end is the captive eye of Rope Grab.

STEP 1: Attach the karabiner to the EYE and the LOOP .

Warning: Make sure that the karabiner is not attached to the stop knot. It needs to be attached to the captive eye of the rope grab only.

STEP 2: Now connect the lateral attachment element of your work positioning belt to one end, loop the lanyard once or twice around the vertical support (depending upon available length) and attach the connector to the other attachment element of the work positioning belt. Adjust the length of the lanyard using the Rope Grab. The Lanyard is not suitable for fall arrest purpose and it may be necessary to supplement arrangements for work positioning or restraint with collective means (e.g. safety nets) or personal means (e.g. fall arrest system in accordance with EN 363) of protection against falls from height.

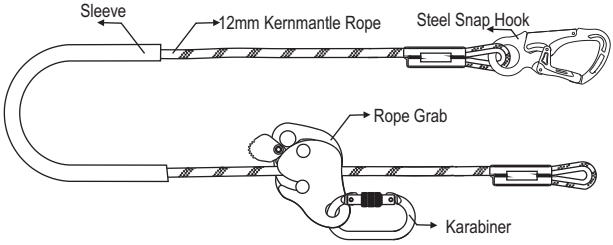
The user should position and/or adjust the Work Positioning Lanyard in such a way that the anchorage point is maintained at or above waist level; the lanyard is kept taut; and free movement is restricted to a maximum of 0.6 m.



AFL405351(PR) comes with protective sleeve

WORK POSITIONING LANYARD - AFL405301(PR)

- The Work Positioning Lanyard has two attachment ends. One end is a Snap Hook while the other end is the attachment ring of the mechanical device.
- Connect the lateral attachment element of your work positioning belt to one end, loop the Lanyard twice around the vertical support and attach the Connector to the other attachment element of the work positioning belt. Adjust the length of the Lanyard using the mechanical device.

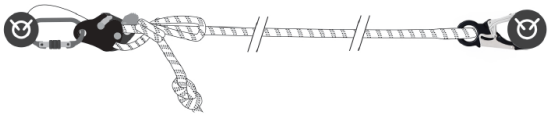


This lanyard also serves as an anchor device (EN 795 type B) when used in conjunction with retractable fall arresters, preferably with suitable models as supplied by KStrong (Compatible with EN 360).

Following conditions may be hazardous & may affect the performance of anchor device being used in conjunction with 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.

Adjustable lanyard used as a lifeline (EN 795:2012 type C)



To make a temporary anchorage line, connect both loops of the work positioning lanyard to anchor points on both ends of a structure respectively.

NOTE: Tie the excess rope to remove slack.

Excessive tension in the system can result, in the event of a fall, in subjecting the anchors to considerable strain. In this mode of operation, locked position of the rope grab must be activated. To secure the lifeline, in particular to prevent the adjuster/rope grab from slipping, user must tie a mule knot secured with a figure of eight type knot after the rope grab with the slack strand of the rope; make sure to leave 15 cm free strand after the knot.

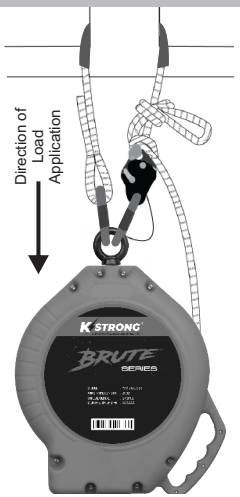
With this lifeline, we recommend using a fall arrest system such as an absorber lanyard (EN 355) and/or a self-retracting fall arrester (EN360).

Length of the lifeline installed	1.60 m	5 m	10 m
Lifeline deflection	0.60 m	1 m	2 m

During use, regularly check the adjustment and make sure the rope grab is not in an awkward position on the structure.

Before installing the lifeline, make sure the anchorage points and structure are capable of withstanding a minimum load of 15 kN in the direction in which the force is applied.

Adjustable lanyard used as an anchorage lanyard (EN 795:2012 type B)



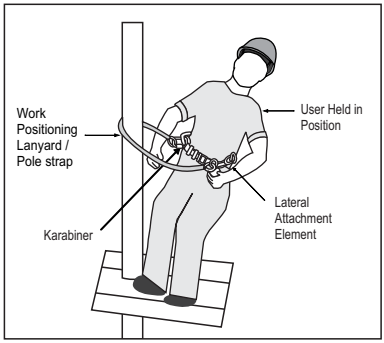
Wrap around/ Loop the work positioning lanyard around the beam or concrete structure and use karabiners at both ends to create an anchor point.

Tie the excess rope to remove slack.

NOTE: When Anchor Device is being used on a structure, maximum load to the anchor point should not be more than 6kN and the directions of loading should be as shown in the figure above.

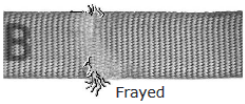
7. **ANCHORAGE INSTRUCTION:** The strength of the anchor device should be greater than 18kN (for Textile) & 12kN (for Metal).

8. **PRE-USE 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.
   - As the safety of users depends upon the continued efficiency and durability of the equipment, therefore it is highly recommended that the user must perform periodic examinations of the equipment on regular basis.
   - The equipment should be periodically examined at least at every 12 months' frequency.
   - 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.
   - The periodic examinations must be conducted by a competent user only and strictly in accordance with the manufacturer's periodic examination procedures.
   - It is recommended that the anchor device is marked with the date of the next and last inspection
   - **Inspection Criteria:** Before each use, inspect the following components of the Concrete Anchor Strap to ensure safe, efficient operation:
     - **D-Ring:** Inspect the D-Ring for damage. It must not be broken, distorted, or have any sharp edges, burrs, cracks, worn areas, or corrosion.
     - **Webbing:** Inspect the Webbing for concentrated wear, frayed strands, broken yarn, burns, cuts, and abrasions. Inspect for excessive soiling, paint build-up, and rust staining. Inspect for chemical or heat damage indicated by brown, discolored, or brittle areas. Inspect for ultraviolet damage indicated by discoloration and the presence of splinters and slivers on the lifeline surface.



NOTE: Work Positioning Lanyards and Pole Straps as would be used by a user. Ensure that the lanyard anchorage point is maintained at or above waist level. Looping the lanyard twice is recommended to prevent it from slipping down.


Cut


Frayed


Heavily Soiled


Welding Burns

9. **CLEANING AND DRYING INSTRUCTIONS:**
   - In case of minor soiling, wipe the Work Positioning Lanyard with cotton cloth or a soft brush.
   - Do not use any abrasive material.
   - For intensive cleaning wash the Work Positioning Lanyard in water at a temperature not more than 40ºC using a neutral detergent (pH7).
   - Do not use acid or basic detergents.
   - The Work Positioning Lanyard should be allowed to dry by itself and be kept away from open fire or any other source of heat.
   - Avoid direct sunlight.

10. **PROTECTION OF THE WORK POSITIONING LANYARD DURING USE:** The Work Positioning Lanyard shall be protected against the following factors:
   - 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 Work Positioning Lanyard in relation to the risk concerned.
   - Inappropriate combination with other equipment.
   - Use by a person lacking sufficient training and safety awareness.
   - Unnecessary Physical loading (static or dynamic), e.g. by lifting heavy objects such as sections or plates etc.
   - Improper use by untrained persons.
   - Deterioration through mechanical wear, water or soiling.
   - Inappropriate storage, maintenance or cleaning.

11. **PROTECTION AGAINST HAZARDS DURING USE:** When using the Work Positioning Lanyard it has to be made sure that the wearer does not trip over flexible anchor lines or Lanyard. A rescue plan is to be set up before use.

12. **STORAGE INSTRUCTIONS:** The Work Positioning Lanyard should be stored in dry not too hot rooms, kept away from heaters & corrosive substances and protected against direct sunlight.Follow the storage procedures rigorously, including all necessary preventative requirements where environmental or other factors could affect the condition of components, e.g. damp environment, sharp edges, vibration, ultra-violet degradation. When the equipment becomes wet, either from being in use or when due to cleaning, it should be allowed to dry naturally, and should be kept away from direct heat.

13. **TRANSPORTATION INSTRUCTIONS:** 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.

14. **ACCESSORIES:** We do not produce any accessories for the Work Positioning Lanyard and strongly recommend not to use Work Positioning Lanyard with any substandard accessory. The user shall be responsible for any damage occurring under such circumstances.

15. **RESTRICTION OF USE:** The Work Positioning Lanyard should be used for Positioning only. The Work Positioning Lanyard should not be used in highly acid or basic environments.

16. **INSTRUCTIONS FOR 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.

17. **WARNING:**
    - A full body harness is the only acceptable body holding device that can be used in a fall arrest system.
    - The device must only be used by a trained and competent person, or by a person subject to a level of competent supervision.
    - In case of any doubt arising about the safety of the Work Positioning Lanyard, it should be replaced immediately in consultation with a competent person. Do not use a Work Positioning Lanyard which has already arrested a person's fall.
    - Regularly check fastening and/or adjustment elements during use.
    - The lanyard is not suitable for fall arrest purposes and it may be necessary to supplement arrangements for work positioning or restraints with collective means (e.g. Safety Nets) or personal means (e.g. fall arrest systems in accordance with EN 363) of protection against falls from height.
    - 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.
    - It is also essential for the safety of a user to use an anchor point positioned at or above waist level for work positioning purpose.
    - 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.
    - While using a work positioning system, the user normally relies on the equipment for support, therefore it is essential to consider the need of using a back-up e.g. fall arrest system.
    - Marking on the lanyard must include the maximum lanyard length.
    - All synthetic materials must be protected from being exposed to extreme of temperature, from slag, hot sparks, open flames, or other heat sources.
    - Do not expose this equipment to chemicals which may have a harmful effect on the material used to control it.
    - Do not use the equipment near sharp edges, surfaces and looping around small diameter structured members.
    - Do not use the equipment around moving machinery or electrical hazards.
    - Do not make any alteration or additions to the equipment without the manufacturer's prior written consent and repair shall only be carried out by personnel trained by the manufacture & duly authorized by him.

18. **INSTRUCTIONS FOR PERIODIC EXAMINATIONS:**
    - It is necessary to carry out regular periodic examinations. The safety of the users depends upon the continued efficiency and durability of the equipment.
    - The product should be necessarily examined taking account of such factors as legislation, equipment type, frequency of use, and environmental conditions as the safety of the user depends upon the continued efficiency and durability of the equipment.

- The personal protective equipment shall be examined at least every 12 months. The periodic examination can only be carried out by the manufacturer or his authorized representative.
- The comments should be included in the check card of the equipment. After the periodic examination, the next due date for periodic examination will be determined.
- During periodic inspection it is necessary to check the legibility of the equipment marking.
- To check metals for sharp edge, burs, corrosion, bent profile distortion and opening & closing or such mechanisms for which that is intended for.
- To check webbings/ ropes for breakage, untwisting, frayed, burn, paint, excessive dust or soiling, cut, exposure to chemical or any such elements which can harm the webbing/ropes or can result in the compromised performance of the entire system or device in which it is used.
- Shall be discarded as per procedures given under point instructions for disposal.
- The required annual examinations will validate the correct functioning of the equipment.
- It is compulsory that the equipment is examined by the manufacturer or his authorized representative at least once a year.
- In case that it have been used to arrest a fall, the equipment must be withdrawn from use.
- Anchor Device must be marked with Last Inspection date.

19. COMPATIBILITY:

- To optimise protection, in some instance it may be necessary to use the Work positioning Lanyard 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.
- When the Adjustable Lanyard AFL405301(PR) being used as an anchorage lanyard as per EN 795, it should only be used for personal fall protection equipment and not for lifting equipment.
- When the device is used as part of a fall arrest system the user shall be equipped with a means of limiting dynamic forces to a maximum of 6kN.
- A full body harness, conforming the EN361, is the only acceptable body holding device.
- Dorsal attachment of harness is the recommended attachment point of the harness.
- Use connectors conforming to EN362 for making connections with anchor device.

20. HOW TO DISPOSE :

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

Follow the steps for Disposal:

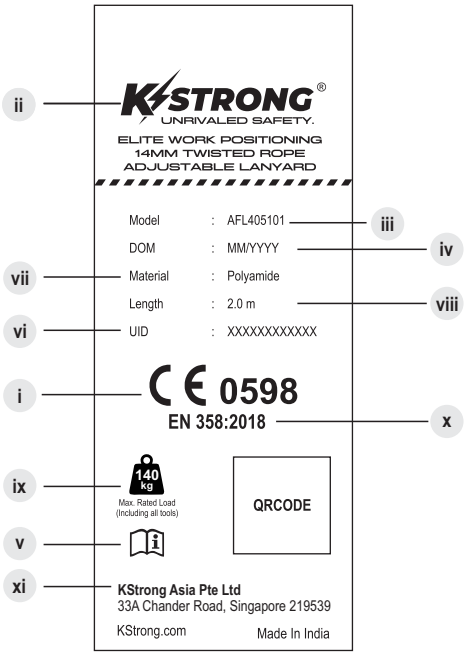
- Segregate the equipment in three different crates for placing components in them respectively as- Textile, Metal and Plastic.
- Inspect the wear & tear present on the lanyard.
- Now, using a sharp pair of scissors first cut the Textile and dismantle the lanyard.
- Now remove the metal & plastic components separately from the lanyard.
- Put the Textile, Plastic & Metal components in their respective plastic crates.
- Once segregation done, arrange to send them for recycling or disposal (as appropriate) through authorized agencies as per local or national law.

19. MARKING ON PRODUCT:

The produts are 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) Identification of the manufacturer
(iii) Type or product code
(iv) Month and Year of Manufacture
(v) Pictogram that indicates to read instructions
(vi) UID for Traceability of Product
(vii) Material
(viii) Length
(ix) Pictogram that shows max. rated load
(x) Number of the standard
(xi) Manufacturer and address

MARKING




KSTRONG®
UNRIVALED SAFETY.
EPIC 11MM KERNMANTLE
ROPE ADJUSTABLE
LANYARD
Model : AFL405351
DOM : MM/YYYY
Material : Polyester
Length : 2.0 m
UID : XXXXXXXXXXXX
CE 0598
EN 358:2018
140 kg
Max. Rated Load (Including all tools)
QRCODE
KStrong Asia Pte Ltd
33A Chander Road, Singapore 219539
KStrong.com
Made In India


KSTRONG®
UNRIVALED SAFETY.
EPIC 11MM KERNMANTLE
ROPE ADJUSTABLE
LANYARD
Model : AFL405351(PR)
DOM : MM/YYYY
Material : Polyester
Length : 2.0 m
UID : XXXXXXXXXXXX
CE 0598
EN 358:2018
140 kg
Max. Rated Load (Including all tools)
QRCODE
KStrong Asia Pte Ltd
33A Chander Road, Singapore 219539
KStrong.com
Made In India


KSTRONG®
UNRIVALED SAFETY.
EPIC 12MM KERNMANTLE
ROPE ADJUSTABLE
LANYARD
Type : AFL405301(PR)
Mfg. mm/yy : XX/XXXX
Material : Polyester
Length : X.X m
UID : XXXXXXXXXXXX
CE 0598
EN 358:2018
EN 795:2012 Type B
140 kg
Max. Rated Load (Including all tools)
MAX
1
QRCODE
KStrong Asia Pte Ltd
33A Chander Road, Singapore 219539
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®
UNRIVALED SAFETY.

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

www.kstrong.com

USA	South America	ASIA

AKS-AFL405101-150525-V8