

HT-511YL - EN355:2002, EN354:2010, EN362:2004

Manufacturer

: **HANGZHOU HETAI SECURITY & PROTECTION CO.,LTD NO.268 DAKAN**

ROAD, QINGSHAN LAKE SCIENCE AND TECHNOLOGY CITY HANGZHOU, ZHEJIANG, CHINA

Notified body for EU type examination and production control

: **APAVE SUDEUROPE SAS (0082)**

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The energy absorber lanyard HT-511YL is classed as personal protective Equipment (PPE) by the European Regulation 2016/425 and has been shown to comply with this through the European Standard EN355:2002.

CAREFULLY READ THESE INSTRUCTIONS BEFORE USE

The energy absorber lanyard is element or a component of a fall system, which is designed to dissipate the kinetic energy developed during a fall from a height.

COMPATIBILITY:To optimise protection, in some circumstances it may be necessary to use the energy absorber lanyard with suitable safety harness/ boots/ gloves/ helmets/ 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.

LIMITATIONS:

The equipment shall not be used outside its limitations or for any purpose other than that for which it is intended.

- 1.The equipment shall only be used by a person trained and competent in its safe use.
- 2.No more than one personal protective system may be connected at one time.
- 3.The equipment must only be used under supervision. Supervisors must plan for the prompt rescue of users in the event of a fall.
- 4.Ensure compatibility of all other products used with the equipment when assembled into a system.
- 5.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.
- 6.Check that metal components are not rusted or mechanically distorted. The lanyard must not have cuts or frays.
- 7.Withdraw the equipment from use if there is any doubt about its condition for safe use or if it has already arrested a fall, do not use it again unless confirmed in writing by a competent person.
- 8.The maximum life span of the product is 10 years from the date of manufacture shown on the sewn label. The is subject to successful inspection at least annually and before each occasion of use.

NOMENCLATURE OF PARTS



- 1. Carabiner**
- 2. Hook**
- 3. Webbing sheath**
- 4. Energy absorber**
- 5. Webbing lanyard**
- 6. Sewing thread**
- 7. Marking**

FITTING & SIZING:

Follow Step 1 to Step 2 to use the energy absorber lanyard.

Step 1: Connect the carabiner of the energy absorber to the attachment element of the full body harness marked "A", Ensure that the carabiner is locked tightly.

Step 2: Connect the opposite end of the lanyard to the suitable anchorage point. Ensure that the scaffold hook gate is engaged and locked before use.

MATERIAL USE:

Energy absorber: Polyester webbing and heat shrinkable sleeve. (Impact force controlled to a maximum of 6 kN)

Webbing: Polyester

Carabiner: 40 # steel , tensile strength:25kN

Hook: 40Cr Alloy Steel, tensile strength:25kN

INSTRUCTIONS TO BE FOLLOWED BEFORE USE:

A rescue plan needs to be created before the product is to be used.

It is an essential requirement to check the legibility of the product markings.

When inspecting energy absorber lanyards, begin at one end and work to the opposite end, slowly rotating the energy absorber lanyard so that the entire circumference is checked. Additionally, follow the procedures below.

1. Hook: Inspect closely for hook and eye distortions, cracks, corrosion, or pitted surfaces. The gate spring should exert sufficient force to firmly close it. Gate locks must prevent the gate from opening when it closes.
2. Energy absorber: Check that the energy absorber protective sleeve is not broken. If the energy absorber has elongated the stop use immediately and remove it from service.
3. Lanyard :Check the webbing and stitching for signs of damage from heat, chemicals or abrasion, particular attention should be drawn to the sewn terminations of the lanyard for damage.
4. Carabiner:Inspect closely for cracks, corrosion, or pitted surfaces. It should be confirmed that the screw gate can be correctly closed and locked.
5. Check the legibility of the product markings

WARNING:

1. Alterations or additions to the equipment are not permitted without the manufacturer's prior written consent. No repairs are permitted at any time.
2. Any equipment involved in sustaining a fall must be withdrawn from service immediately.
3. Ensure that the medical conditions of the user is fit for using the equipment; the equipment shall only be used by a person trained and competent in its safe use. A rescue plan needs to be established to deal with any emergencies that could arise during the work. Users must be aware that forces experienced during the arrest of a fall or prolonged suspension may cause bodily injury.
4. The equipment shall not be used outside its limitations, or for any purpose other than that for which it is intended.
5. Dangers may arise by use of combinations of items of equipment in which the safe function of any one item is affected by or interferes with the safe functions of another. Ensure the compatibility of items of equipment when assembled into a system;
6. Do not use the energy absorber lanyard as a fall arrest component directly,It is to be used only as a connecting element.
7. In case of any doubt arising about the safety of the energy absorber lanyard,it should be removed from service immediately and replaced.
8. Withdraw the energy absorbing lanyard from service immediately if it has been or suspected to have been used in a fall from a height.
9. The maximum length of the energy absorber lanyard including all components (connector + energy absorber+ lanyard + connectors) should not exceed 1.75mts.
10. There is a need for regular periodic examination of the equipment as the safety of the users depends upon the continued efficiency and durability of the equipment.
11. If the product is re-sold outside the original country of destination the reseller shall provide instruction for use, maintenance, periodic examination and for repair in the language of the country in which the product is to be used.

STORAGE AND TRANSPORT

A) When not in use, store the product in a well-ventilated area away from extremes of temperature. Avoid 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.

B) Never place heavy items on top of the product. If possible, avoid excessive folding and preferably store it hanging vertically. If necessary, the application of lubricant on the metal component is permitted providing it doesn't have a detrimental effect on the metal or webbing.

C) For transporting the energy absorber lanyard, it should be packed in a bag of suitable size and not together with any sharp edged tools.

This energy absorber lanyard will be sufficiently packaged to prevent damage and deterioration during transportation. Using the original packing or in sealed polybag for future storage and transportation.

D) In case of minor soiling, wipe the energy absorber lanyard with cotton or a soft brush. Do not use any abrasive material. For intensive cleaning wash the energy absorber lanyard in water at a temperature no greater than 30 degrees C, using a neutral detergent (PH+7). The washing temperature should not exceed 30°C. Do not use acid or basic detergents. After becoming wet, dry the products naturally away from open/ direct heat sources.

PERSONAL FALL ARREST SYSTEM

Assembly of components intended to protect the user against falls from a height, including a body holding device and an attachment system, which can be connected to a reliable anchorage point.

A fall arrest system shall include energy absorbing elements or functions to ensure that the impact forces on the body of the user during the arrest of a free fall are restricted to a maximum of 6 kN.

Ensure that the anchor point is above the user where possible to minimise both the potential for falls and potential fall distance.

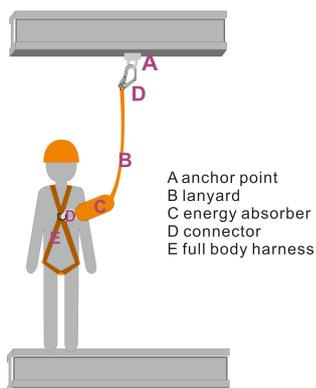
It is essential to verify the free space required beneath the user at work place before each occasion of use so that in the case of a fall there will be no collision with the ground or other obstacles in the fall path.

The anchor device or anchor point for fall arrest system should always be positioned, and the work carried out in such a way to minimise both the potential for falls and potential fall distance. The shape and construction of the anchor device/ point shall not allow self-acting disconnection of the equipment. Minimal static strength of anchor device/point is 12 kN.

Avoid using in extremes of temperature, trailing or looping of energy absorber lanyards or lifelines over sharp edges, chemical reagents, cutting, abrasion, climatic exposure & pendulum falls.

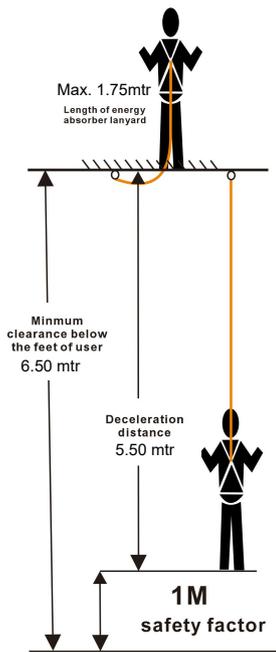
This energy absorber lanyard must be used in conjunction with equipment which conform to the European standards (EN361-EN362-EN795-EN363 - etc.) and the user must ensure all recommendation of every equipment composing the fall arrest system are understood and applied.

Example: Energy absorber lanyard used in the following applications:



A:EN795
B:EN354
C:EN355
D:EN362
E:EN361

FALL CLEARANCE



The necessary minimum clearance below the feet of the user, in order to avoid collision with the structure or ground in a fall from the height is 6.50 meter based on a 1.75m lanyard in fall factor 2 with a 100kg mass.

Marking

The energy absorber lanyard marked with:

10.  1. UK CA CE 0082

HOATER® 9. 

11. EN355:2002

2. Mfd for:
HANGZHOU HETAI SECURITY & PROTECTION CO., LTD
NO.268 DAKAN ROAD, QINGSHAN LAKE SCIENCE AND TECHNOLOGY CITY HANGZHOU, ZHEJIANG, CHINA
www.hoater.com

3. Type : Energy Absorber Lanyard (XXM)

4. Model : HT-511YL

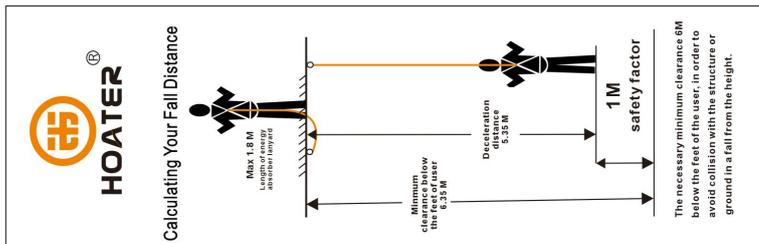
5. Mfg.MM/YY : XX/XXXX

6. Batch No. : XXXX

7. Serial No. : XXXXX

8. Max. Allowable Length of Energy Absorber +Lanyard+Connector= Max. 1.75mtr

1. The CE/ UKCA mark showing that the product meets the requirements of the Regulation 2016/425
2. Identification of the manufacturer
3. products type(XXM means the total length of the product)
4. Product model
5. Date of manufacture (XX Day, XX Month, XXXX Year)
6. Batch number
7. Unique serial number
8. Max length of the complete lanyard assembly including energy absorber and connectors.
9.  Always read and follow the warnings and instructions for use.
10. Manufacturer brand
11. The product standard



Declaration of conformity

Declaration of conformity for energy absorber lanyard HT-511YL available at www.safety-lifting.com

INSTRUCTIONS FOR PERIODIC EXAMINATION:

Thorough examinations at least annually are required to ensure the performance of the product. Pre-use inspections must also be completed before each occasion of use. The continued efficiency and durability of the equipment relies on correct examinations being completed by a competent person.

The periodic examinations of the energy absorber lanyard are only to be conducted by an authorised and competent person and strictly in accordance with the manufacturer's periodic examination procedures.

Check the legibility of the product markings in periodic examination.

INSTRUCTIONS FOR REPAIR:

The product has no repairable features hence the manufacturer does not allow any repair that can be carried out on the product whatsoever.

CHECK CARD

It is recommended that the product be inspected and examined by a competent person for any damages or failures at least annually in addition to pre-use checks. The observations should be recorded in the table below. In case such damages are observed, the product should be removed from service immediately and replaced.

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