

# DRAPER®

## INSTRUCTIONS FOR 2 Metre Fall Arrest Lanyard

Stock No.82473 Part No.LA/F/B

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



CE0194

DRAPER®

### GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

# 1. FIELD OF APPLICATION

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JE311225C Energy absorber used as a component of a personal fall arrest system, commonly used in conjunction with a lanyard to connect a safety harness to an anchor. It is designed to dissipate the energy developed in a fall of 4m maximum height and to limit the force on the user's body to a maximum of 6KN.

This product is personal protective equipment( one person only) in accordance with the 89/686/CEE PPE directive.

This product must not be loaded beyond its strength rating, nor be used for any purpose other than that for which it is designed.

Only the techniques shown in the diagrams that are not crossed out and/or do not display a skill and crossbones symbol are authorised. Check our website [drapertools.com](http://drapertools.com). Contact with Draper if you have any doubt or difficulty understanding these documents.

**WARNING:** Activities involving the use of this equipment are inherently dangerous.

You are responsible for your own actions and decisions.

Before using this equipment, you must:

- Read and understand all instructions for use.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.

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

Failure to heed any of these warnings may result in severe injury or death.

Responsibility

**WARNING:** Specific training is essential before use. This product must only be used by competent and responsible persons, or those placed under the direct and visual control of a competent and responsible person. Gaining an adequate apprenticeship in appropriate techniques and methods of protection is your own responsibility. You personally assume all risks and responsibilities for all damage, injury or death which may occur during or following incorrect use of our products in any manner whatsoever.

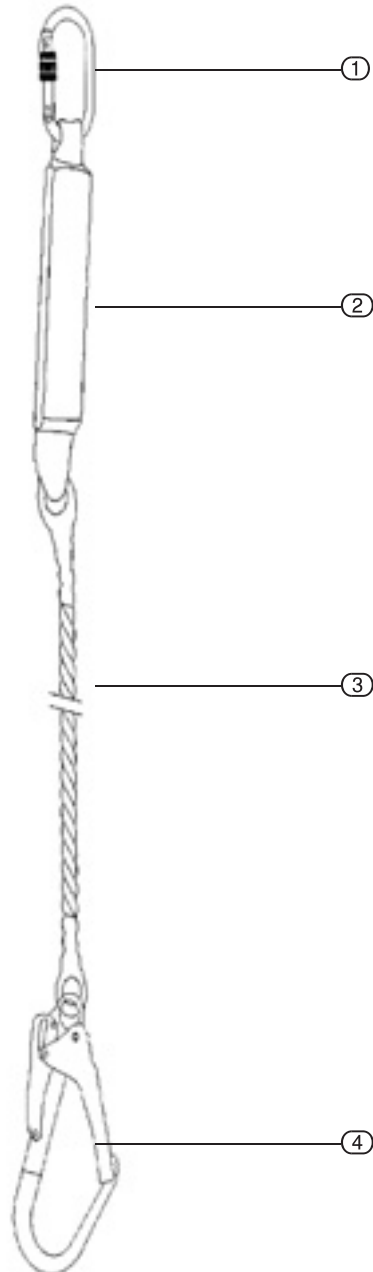
If you are not able, or not in a position to assume this responsibility or to take this risk, do not use this equipment.

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## 2. TECHNICAL DESCRIPTION

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### 6.1 IDENTIFICATION



- ① EN362 Standard karabiner
- ② Energy absorber
- ③ EN354 lanyard
- ④ EN362 Big hook

## 3. INSPECTION, POINTS TO VERIFY

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### **3.1 BEFORE EACH USE**

The equipment must not be re-used after a fall causes any damage or tearing of the energy absorber.

Ensure absorber webbing is correctly arranged and held together by the retainer. The plastic retainer must not be cut ,damaged or removed.

Visually inspect the straps (especially the ends) and the safety stitching. Look for cuts in the webbing, wear and damage due to use, to heat, and to contact with chemical products, etc. Warning, the absorber webbing must not be torn.

Inspect the connectors as indicated in their instruction for use.

### **3.2 DURING EACH USE**

It is important to regularly inspect the condition of the product. Check its connections with the other equipment in the system are correctly positioned with respect to each other.

Consult the details of the inspection procedure to be carried out for each item of PPE on the web at [drapertools.com](http://drapertools.com). Contact Draper if there is any doubt about the condition of this product.

Retire the equipment if it shows any sign of reduced strength or impaired function.

### **3.3 COMPATIBILITY**

The energy absorber (component of a personal fall arrest system) must be used in conjunction with Safety Karabiner Draper Stock No.82472, and Safety Harness Draper Stock No.82471.

An incompatible connection can cause accidental disconnection ,breakage,or affect the safety function of another piece of equipment.

## 4. HOW TO USE THIS EQUIPMENT

### 4.1 INSTALLATION ON THE HARNESS

Make sure the energy absorber is correctly attached to one of the fall arrest attachment points on the harness (sternal or dorsal point only).

### 4.2 OBLIGATIONS

The total length of the ensemble <energy absorber + lanyard + connectors> must not exceed 2 meters. The fall length must not exceed 4m. Take care to minimize the potential for falls and the height of any potential fall.

Never connect the lanyard directly (sliding karabiner) to a structure (cable, bar, etc.) having a slope greater than 15°.

**WARNING:** Your harness must be adjustable to fit snugly to reduce the risk of injury in case of a fall. Karabiners must always be used with the gate closed and locked.

Systematically verify that the gate is securely locked by pressing it with your hand.

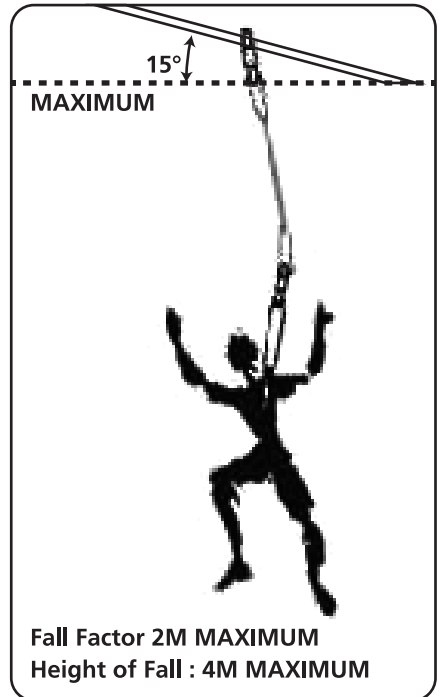
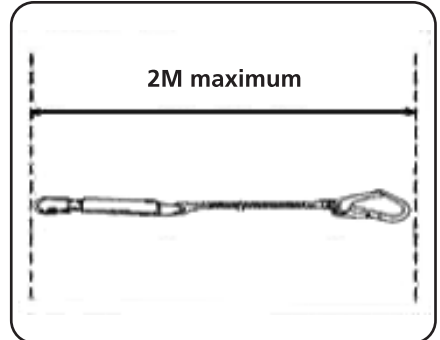
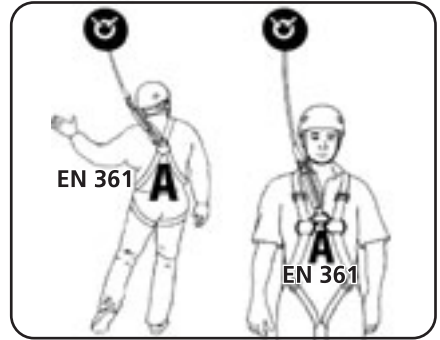
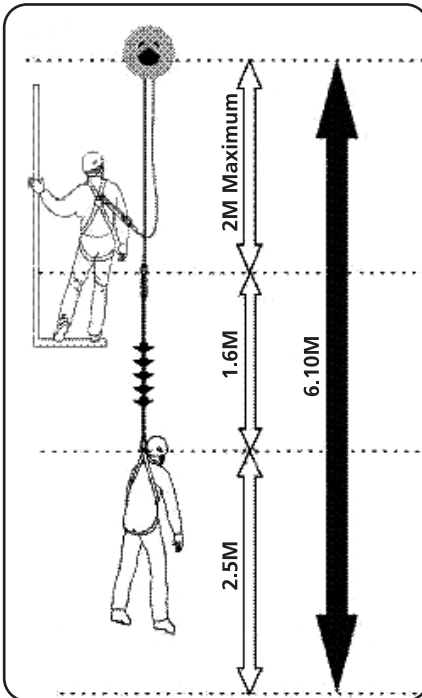
Avoid contact with sharp or abrasive surfaces and objects.

Anchors

Work at height

The anchor point of the system should preferably be located above the user's position and must conform to the requirement of the EN362 standard, in particular the minimum strength of the anchor must be 10KN.

Clearance = amount of clear free fall space between the anchor and the ground. The clearance below the user must be sufficient to prevent the user from striking any obstacle in case of a fall for information on how to calculate clearance, see diagram.



## 5. GENERAL INFORMATION

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### **LIFETIME**

WARNING, an exceptional event can reduce the lifetime of the product to one single use; for example, if it is exposed to any of the following: chemicals, extreme temperatures, sharp edges, major fall or load, etc.

The potential lifetime of Draper products is as follows: up to 10 years from the date of manufacture for plastic and textile products. It is indefinite for metallic products.

The actual lifetime of a product ends when it meets one of the retirement criteria listed below (see "When to retire your equipment"), or when in its system use it is judged obsolete.

The actual lifetime is influenced by a variety of factors such as: the intensity, frequency, and environment of use, the competence of the user, how well the product is stored and maintained, etc.

Inspect equipment periodically for damage and/or deterioration.

In addition to the inspection before and during use, a periodic in-depth inspection must be carried out by a competent inspector at least once every 12 months.

This inspection must be performed at least once every 12 months.

The frequency of the in-depth inspection must be governed by the type and the intensity of use.

To keep better track of your equipment, it is preferable to assign each piece of equipment to a unique user so that he will know its history.

The results of inspections should be documented in an equipment control card.

This document must allow recording of the following details: type of equipment, model, name and contact information of the manufacturer or distributor, means of identification (serial or individual number), year of manufacture, date of purchase, date of first use, name of user, all other pertinent information for example maintenance and frequency of use, the history of periodic inspections (date/comments and noted problems/name and signature of the competent person who performed the inspection/anticipated date of next inspection).

### **WHEN TO RETIRE YOUR EQUIPMENT**

Immediately retire any equipment if:

- it fails to pass inspection before and during use and the periodic in-depth inspection),
  - it has been subjected to a major fall or load,
  - you do not know its full usage history,
  - it is at least 10 years old and made of plastics or textiles,
  - you have any doubt as to its integrity.
- Destroy retired equipment to prevent further use.

### **PRODUCT OBSOLESCENCE**

There are many reasons why a product may be judged obsolete and thus retired before the end of its actual lifetime. Examples include: changes in applicable standards, regulations, or legislation; development of new techniques, incompatibility with other equipment, etc.

### **MODIFICATIONS, REPAIRS**

Any modification, addition to, or repair of the equipment other than that authorized by Draper is prohibited: due to the risk of reducing the effectiveness of the equipment.

### **STORAGE, TRANSPORT**

Keep your harness in a bag or other container to protect it from exposure to UV, moisture, chemical products, etc.

## 5. GENERAL INFORMATION

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### **PRECAUTIONS**

Users must be medically fit for activity at height.

**WARNING:** Inert suspension in a harness can result in serious injury or death. You must have a rescue plan and the means to rapidly implement it in case of difficulties encountered while using this equipment.

This implies an adequate training in the necessary rescue techniques.

You must check to ensure that the product markings remain legible during the entire lifetime of the product.

You must verify the suitability of this equipment for use in your application with regard to applicable governmental regulations and other standards on occupational safety.

The instructions for use for each item of equipment used in conjunction with this product must be respected.

The instructions for use must be provided to users of this equipment, if the equipment is re-sold outside the original country in which the products is to be used.

### **GUARANTEE**

This product is guaranteed for 3 years against any faults in materials or manufacture. Exclusions from the guarantee: normal wear and tear, oxidation, modifications or alterations, incorrect storage, poor maintenance, damage due to accidents, to negligence, or to improper or incorrect usage.

Draper is not responsible for the consequences, direct, indirect or accidental, or any other type of damage befalling or resulting from the use of its products.

# 6. LABEL



Item number  
SL. No. of product  
Date  
Size

REF. : JE311225C  
SERIAL No. : 00001  
MFG. DT. MM/YY : 09/2015  
SIZE : 2M

EN 355:2002  
EN 354:2002

CE 0194

LANYARD WITH  
ENERGY ABSORBER

MADE BY JECH® CN

Brand

Before use, please read carefully the instructions.

Reference Norm

Reference of the notified organization controlling production

Product conforms to the PPE directive

Product Name

Name of manufacturer or supplier

EC type examination of notified body involved with the design stage and production control phase are performed by:

INSPEC INTERNATIONAL LTD.  
(Notified Body no. 0194)

56, Leslie Hough Way, Salford,  
Greater Manchester M6 6AJ United Kingdom



# NOTES

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# NOTES

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# NOTES

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# 7. ANNUAL INSPECTION

<b>Full Body Harness</b>						
<b>Manufacturers</b>						
<b>Contact details</b>						
<b>Manufacturing date</b>		<b>Life expiry date</b>				
<b>Model</b>		<b>Serial No.</b>				
<b>Date of Purchase</b>		<b>Date first put service</b>		<b>Name of User</b>		
<b>This harness can be used with Draper's other components of fall arrest system such as Energy absorbing lanyards</b>						
S. No.	Date	Controller	Results	Comments	Signature	Next Inspection
1.						
2.						
3.						
4.						
5.						
6.						
7.						

These instructions should be kept with the related material (traceable by the serial number) for the full duration of the life of the product.

This product is intended for use by a single use, the user is also responsible for this product.

This product is to be used for personal protection only (against falls from heights) and limited to uses as described on the first page of these instructions.

It is **STRICTLY FORBIDDEN** to modify and/or alter any component of the product and/or the product in whole.

Any product which has seen a **FALL** or shows any sign of **DETERIORATION**, and/or requires **REPAIRS** must be returned to the manufacturer or authorized agent.

Prior to every use a visual inspection is recommended.

An annual inspection by a competent person following with the manufacturers or authorized agents instructions is **COMPULSORY**

**ATTENTION:** the inspection should include but not limited to: loose, cracked or defective hardware frayed, crushed or broken strands damaged or loose termination.

The minimum strength of the anchorage points, for connecting is: (15 kN) anchorage must be placed above the position of the user.

Harness, vest, overall and user manual marked with capital letter "A", means use as fall arrest attachment point.