

SpanSet<sup>®</sup>



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**V-8**  
**User Instructions**

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**SpanSet**  
**Certified**  
**Safety**

## V-8 Vertical Fall Arrest Mobile Anchor Device. EN353-1:2014



SpanSet UK Ltd, Telford Way, Middlewich, Cheshire, CW10 0HX. UK  
www.spanset.co.uk

Notified body controlling the manufacture of this PPE  
BSI KITEMARK COURT, DAVY AVENUE, KNOWHILL, MILTON  
KEYNES, UK

NOTIFIED BODY NUMBER: 2797

Notified body for the EC type examination of this PPE  
SATRA TECHNOLOGY

WYNDHAM WAY, TELFORD WAY, KETTERING, UK

NOTIFIED BODY NUMBER: 0321

It is essential that this product is sold to the end user with the instructions in the correct language of the country in which the product is to be used. If the product is resold outside the original country of destination the reseller shall provide User instructions, including maintenance and periodic examination requirements, in the language of the destination country.

### IMPORTANT INFORMATION

- Before using this item of PPE, you must:
  - Read the User Instruction Manual.
  - Be trained on the correct use of the item.
  - Familiarise yourself with the item and its operation limitations.
  - Fully understand the risk involved in the work activity.
  - Be physically and medically capable of operating in a safe and controlled manner.
- All work at height activities are inherently dangerous – your personal safety is your responsibility.
- Rescue provision should always be in place to deal with any emergencies and must be able to be carried out with maximum efficiency and speed.
- No alterations, additions or repairs should be made to this equipment without the written consent of SpanSet.
- Failure to use PPE correctly or in accordance with the User Instruction Manual may result in serious personal injury.
- Never use this item of PPE for any other purpose than providing attachment between the vertical lifeline and the user.
- Before, and at regular intervals during the period of use, carry out a thorough risk assessment.

### PRODUCT SPECIFICATION

When using the V-8 vertical lifeline the following requirements are mandatory:

- Never connect more than one User to the mobile anchor device at any time.
- The mobile anchor device must only be used with the Safeline V-8 vertical lifeline system.
- Perform pre-use visual and functional checks every time the device is to be used.
- The user must wear a correctly fitted and adjusted EN361 full body harness at all times. No other body holding device is acceptable.

- Ensure that local requirements for PPE are adhered to which may include; safety helmet with chin strap and safety footwear.
- Before use; ensure that the karabiner attaching the V-8 mobile anchor device to the harness is closed and in its locked position.
- The V-8 mobile anchor is a vertical fall arrest device and must never be used to support full or partial body weight for work positioning.
- The maximum User mass including tools & equipment must never be exceeded.
- Never inhibit the movement of the lock/release mechanism during ascent or descent.

### Product Label & Nomenclature of Parts

1. V-8 mobile anchor device

1a. Gate tab

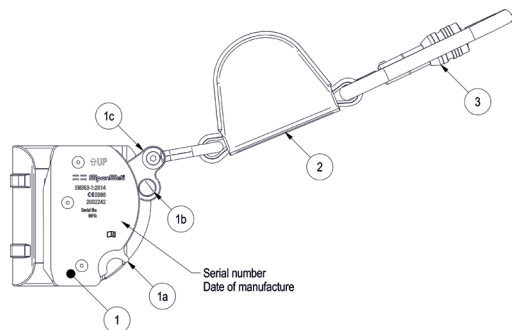
1b. Gate release button

1c. Locking arm

2. Energy absorber

3. Connector karabiner

Operating temperature (-30°C to +75°C)



### Storage of product

- Cool well ventilated area.
- Do not store under heavy items.
- Do not expose to direct or excessive heat.
- Do not expose to sources UV light.
- Prevent contact with sharp objects .

### Cleaning & drying of product

- General maintenance may require the cleaning of the mobile anchor device, and this should only be carried out using lukewarm water and a domestic detergent. Ensure the device is thoroughly rinsed after cleaning and allow to dry naturally, away from direct heat.
- Do not use solvents, thinners or any type of industrial cleaning product, especially agents containing chlorine or chlorides.

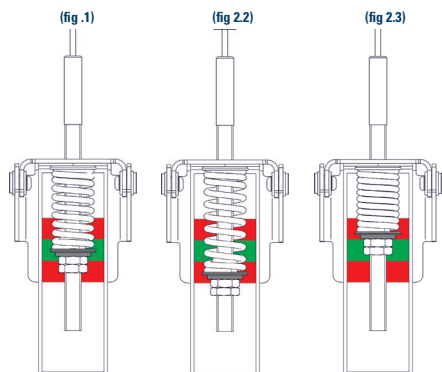
### Contamination

- Do not allow contact with harmful substances such as acids, alkalis, fuel, paints, solvents.
- Avoid all contact with electrical currents.

## REQUIREMENTS FOR USE

### Lifeline Pre-Use Checks

- The base of the lifeline system includes a tension indicator which shows the correct pre-tension of the lifeline cable (**fig. 1**). If the system displays incorrect pre-tension, either too low (**fig 2.2**), or too high (**fig 2.3**), the system must not be used and the fault reported to the site supervision for further investigation.
- Perform a visual examination of the lifeline to check and inspect the system for faults and ensure it is fully secured to the structure.
- Check the lifeline inspection date is current and valid.



### Device pre-use checks

Inspect the V-8 mobile anchor device prior to every use, with special attention to the following:

- Check that the locking arm is free to move in an upward direction and springs back to its default position freely. Operate several times to verify the freedom of movement.
- Invert the device and check that the locking arm is restricted from movement. Return the device to its normal orientation to check the locking arm can move freely.
- Operate the device gate mechanism and ensure it releases correctly.
- Check that the textile energy absorber is in good condition with no visible signs of cuts, tears or signs of abrasion.
- Check the device for signs of corrosion, deformation and damage.
- Operate the karabiner to its open position and ensure it closes automatically.
- Check the product label (serial no, date of manufacture etc.) is legible.

If the device fails any of the above criteria then it must be withdrawn from service and reported to the site supervisor for remedial actions.

### PRODUCT APPLICATION

The V-8 mobile anchor device is designed to arrest the fall of one user in combination with the Safeline V-8 vertical lifeline system. If the system is subjected to a fall, the lifeline and mobile anchor energy absorber will limit the loads applied to both the structure and user to less than 6kN.

The mobile anchor device must only be connected to the chest attachment point of a full body harness during use.

The device includes an anti-inversion lock which prevents the device from being connected to the lifeline in an inverted orientation.

When connected to the lifeline the device should be maintained at a distance of no less than 0.25m from the user body harness chest attachment to allow for free ascent/descent movement. Do not extend or reduce this distance, or add/remove components.

During use ensure that work-wear, clothing and equipment does not impede the operation of the mobile anchor device locking mechanism.

The V-8 mobile anchor device must only be connected or disconnected from the lifeline system when the user is in a safe position i.e. where there is no risk of falling.

### GROUND CLEARANCE

A minimum distance of 2m is required between the User's feet and the ground. Users must take extra care during ascent/descent below 2m due to risk of hitting the ground or obstacles beneath the User.

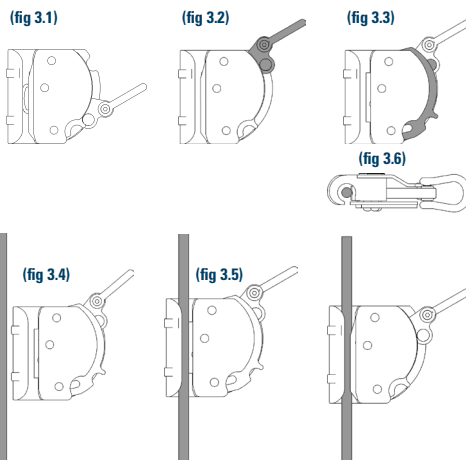
### USER INSTRUCTION

Connect the V-8 mobile anchor device karabiner to the User full body harness chest attachment point. Ensure that the karabiner gate has closed fully and is locked.

Connection to the lifeline can be made by two methods; operation of the device gate mechanism or operation of the lifeline base bracket entry gate.

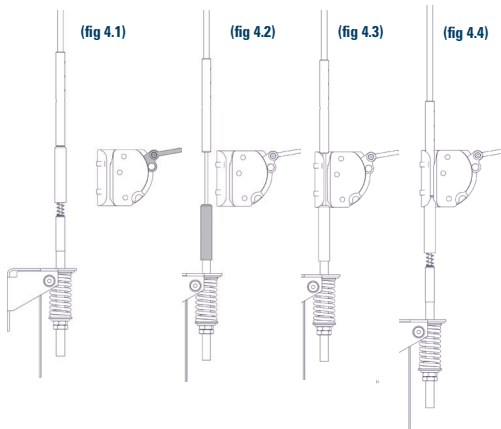
### Device direct connection gate operation

- Position the device in its normal vertical orientation (**fig 3.1**).
- Raise the locking arm to its uppermost position and press the release button (**fig 3.2**).
- Withdraw the gate and position the device body onto the lifeline cable (**fig 3.3, 3.4, 3.5**).
- Release the gate and ensure the locking arm, release button and gate return to their closed position.
- Move the device upwards along the cable and quickly pull down on the karabiner to simulate a fall arrest event. Ensure that the device locks onto the cable. The device can be release from its locked position by lifting the karabiner until the device begins to ascend the cable.



### Base bracket entry gate

- Position the device in its normal vertical orientation.
- Raise the locking arm to its uppermost position (**fig 4.1**).
- Push the base bracket entry gate downwards to reveal the narrow cable section (**fig 4.2**) and slide the mobile anchor device onto the narrow cable via the device intermediate bypass slot (**fig 4.3**).
- Push the device onto the lifeline cable and release the entry gate, ensuring the gate returns to its closed position (**fig 4.4**).
- Move the device upwards along the cable and quickly pull down on the karabiner to simulate a fall arrest event. Ensure that the device locks onto the cable. The device can be released from its locked position by lifting the karabiner until the device begins to ascend the cable.



Disconnecting from the lifeline cable must only be performed when in a safe position. The device may be removed from the lifeline at any safe position by performing the direct connection method of gate operation. The device may be removed from the base of the lifeline by operating the base bracket entry gate and sliding the device intermediate bypass slot over the narrow cable.

### Inspection of the Product

- Current European standards state at least every 12 months the equipment must be visually examined by a competent person authorised by SpanSet, and the results recorded. SpanSet recommends inspection by a competent person every 6 months.
- Particular attention should be paid to the following:-
- Check webbing for cuts, tears, abrasion marks, pulls and loops, heat damage or chemical contamination.
- Check for any signs of discolouration of the product components.
- Check that all metal components operate correctly and are free from cracks, distortion, corrosion etc.
- Missing or illegible product label.

**NOTE: IT IS STRONGLY ADVISED TO CHECK AND MONITOR THE CONDITION OF THE PRODUCT BEFORE USE, EVERY TIME IT IS USED.**

### Compatibility of Personal Fall Protection Equipment

- Always ensure, via specific training or advice from a competent person, that the intended application of PPE is compatible with the products used. It cannot be assumed that all combinations of PPE will interact in a safe manner. If in doubt contact the site safety officer, or contact SpanSet for advice.

### Clearance Heights & Free Space

- In a fall arrest event, the free space below the User is critical to the safe operation of the equipment. The free space must be sufficient to allow the fall arrest event to occur without the potential for collision with structures or obstacles. Consideration must also be given to the proximity of the User in relation to the anchorage to minimise the potential for a swing fall arrest. Risk assessment of clearance heights and swing fall risk should be performed and advised by a competent person, or by contacting SpanSet UK Ltd.

Clearance height considerations:

- Height of anchorage above working level.
- Arresting distance of shock absorber.
- Height & weight of the User.
- Availability of free fall space.

NOTE: Other factors must also be considered which are specific to product types (i.e. harness stretch/slippage under fall arrest load).

### Anchorage

- All anchor points must satisfy the requirements of EN795 (MBS 12kN)
- Whenever possible, select anchor points which limit the height of any potential fall.

### Product Lifespan

It is mandatory by European Law that all PPE must be supplied with comprehensive User Instructions which detail the lifespan of the product, and the inspection requirements.

The actual frequency of the periodic inspection is the responsibility of the competent person in charge of the maintenance of the product. Aggressive or arduous conditions and constant use will potentially reduce the working life of the product and so a more frequent inspection regime will be required to effectively monitor this.

SpanSet recommend that PPE for Work at Height is thoroughly examined by a competent person:

- Periodically at intervals not exceeding 6 months.
- Interim inspections where required.

Any concerns about the condition of equipment must result in the item undergoing a thorough interim inspection. The equipment should only be used if it is found to be in a fit condition.

SpanSet give this product a period of obsolescence of 10 years from date of manufacture, even if never used.

Products should be immediately withdrawn from service if they meet any one of the following criteria:

- Failure of a thorough examination.
- Subjected to or Used to arrest a fall.
- Manufacturers period of obsolescence (shelf-life) has been reached.

### Product Liability

SpanSet is not responsible for the direct or indirect consequences, damages or injuries resulting from use of this product.

# 01 Height Safety

## V-8 User Instructions



[www.spanset.co.uk](http://www.spanset.co.uk)