

GSE510SSK  
GSE514G  
GSE514P



# STOP

## **USER INSTRUCTIONS**

(Original Instructions)



-  [www.globestocksafety.com](http://www.globestocksafety.com)
-  [info@globestocksafety.com](mailto:info@globestocksafety.com)
-  +44 (0) 1691 654 966
-  Mile Oak Industrial Estate, Maesbury Road,  
Oswestry, Shropshire, SY10 8GA, UK

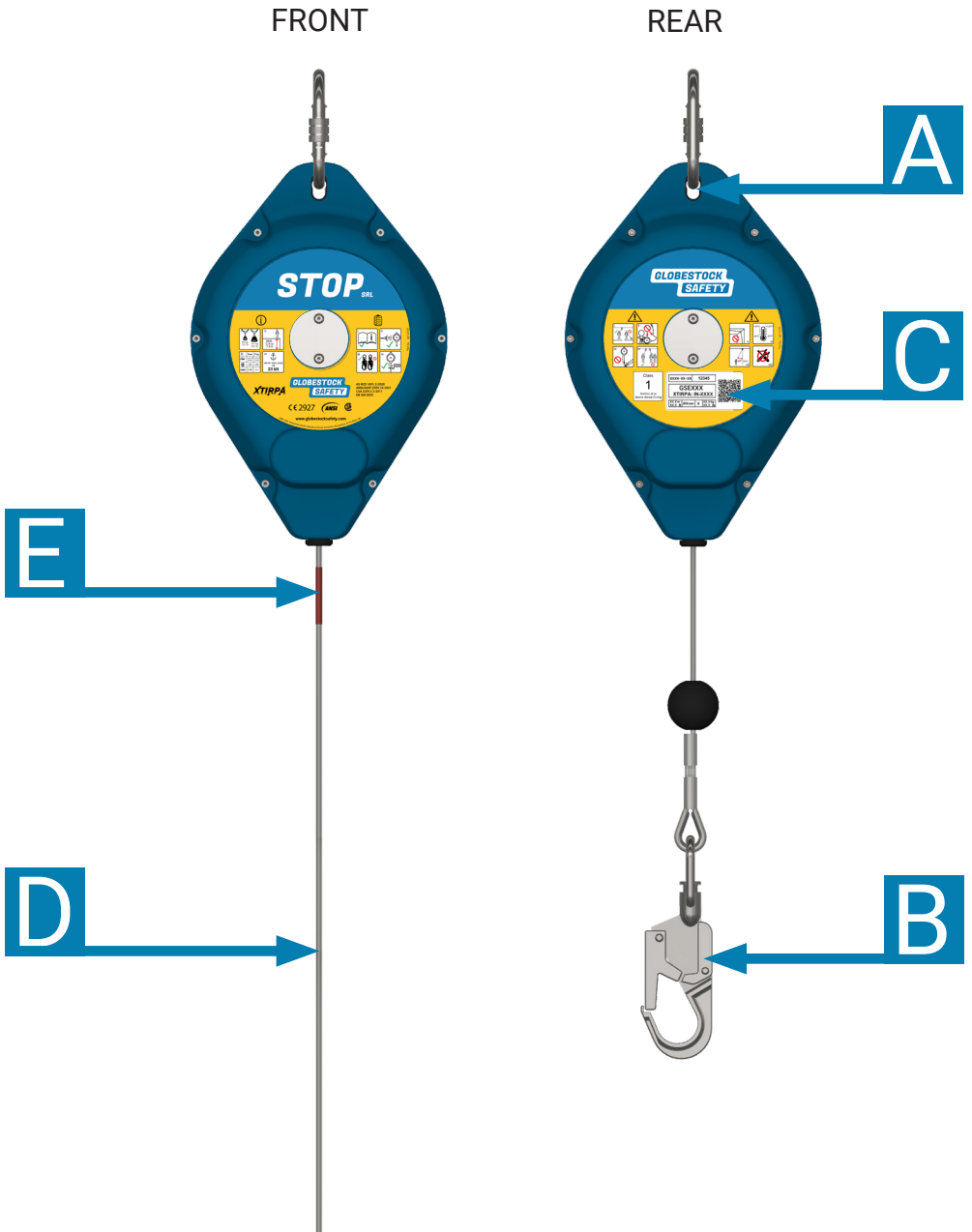
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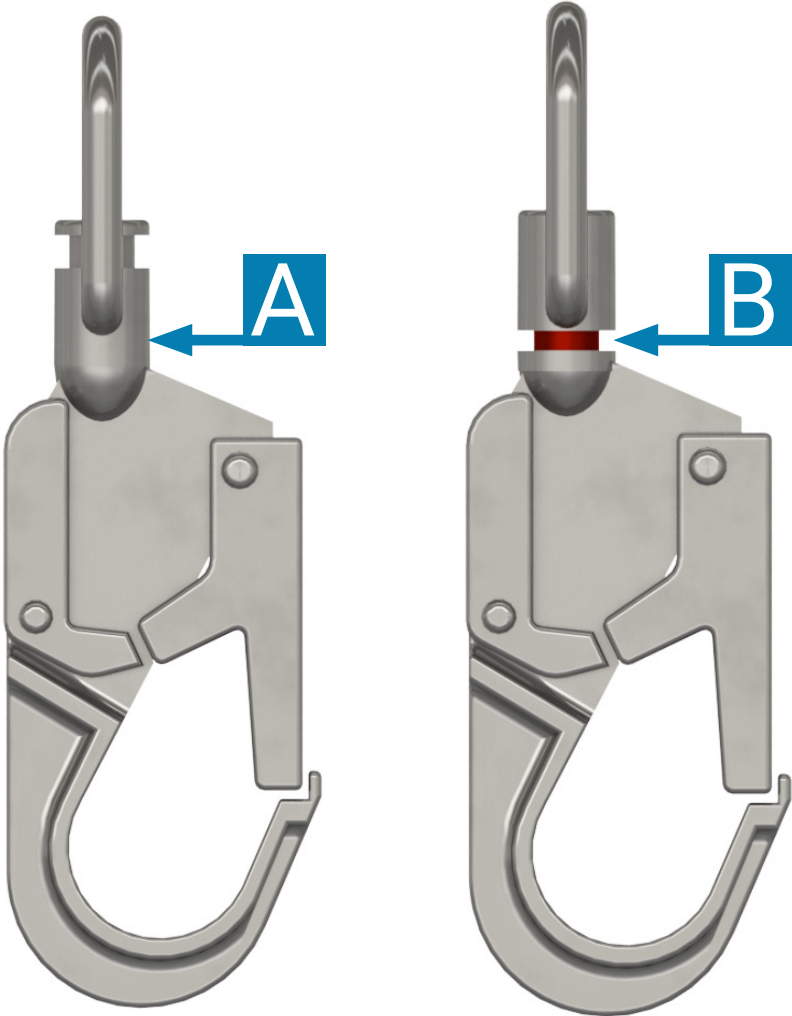
Declarations of Conformity available at:

<https://www.globestock.co.uk/technical/declarations-of-conformity/>

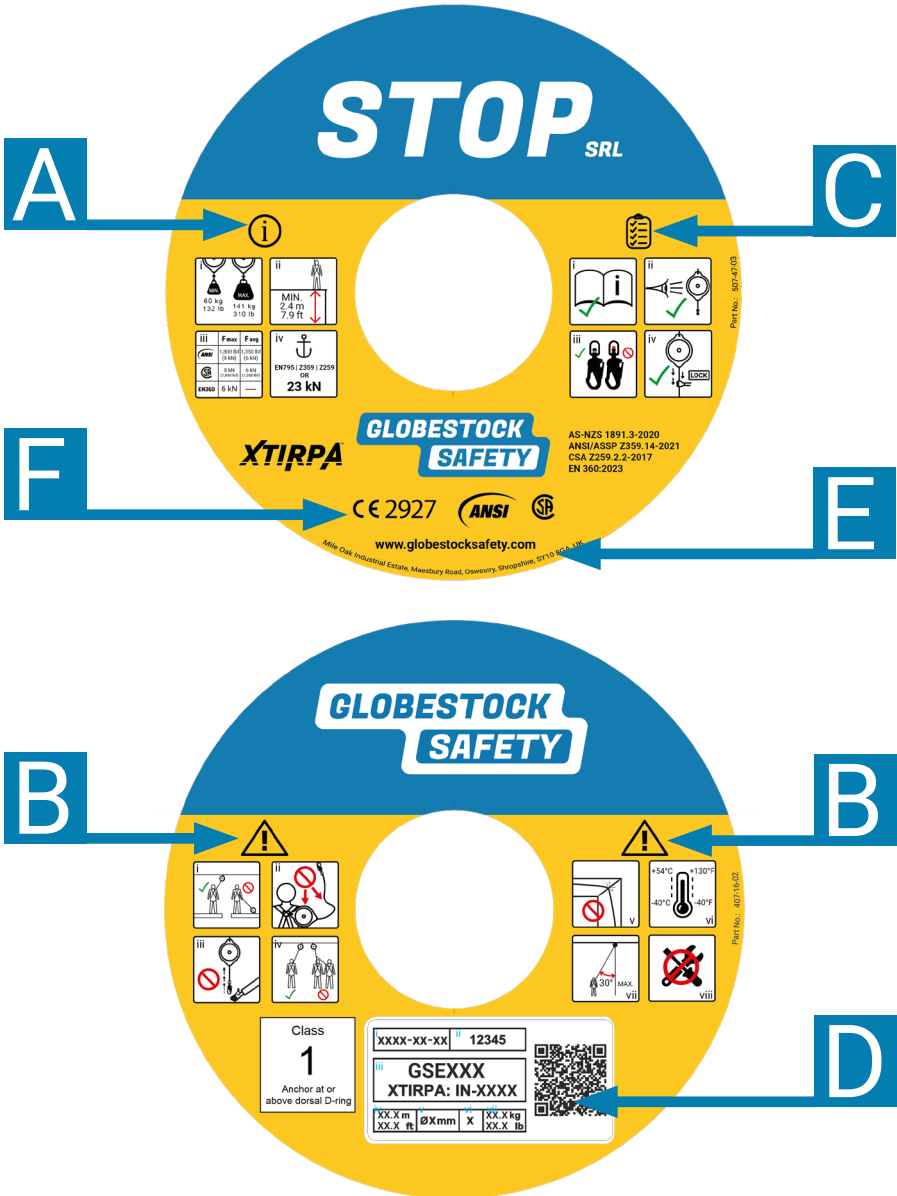
**FIGURE 1**



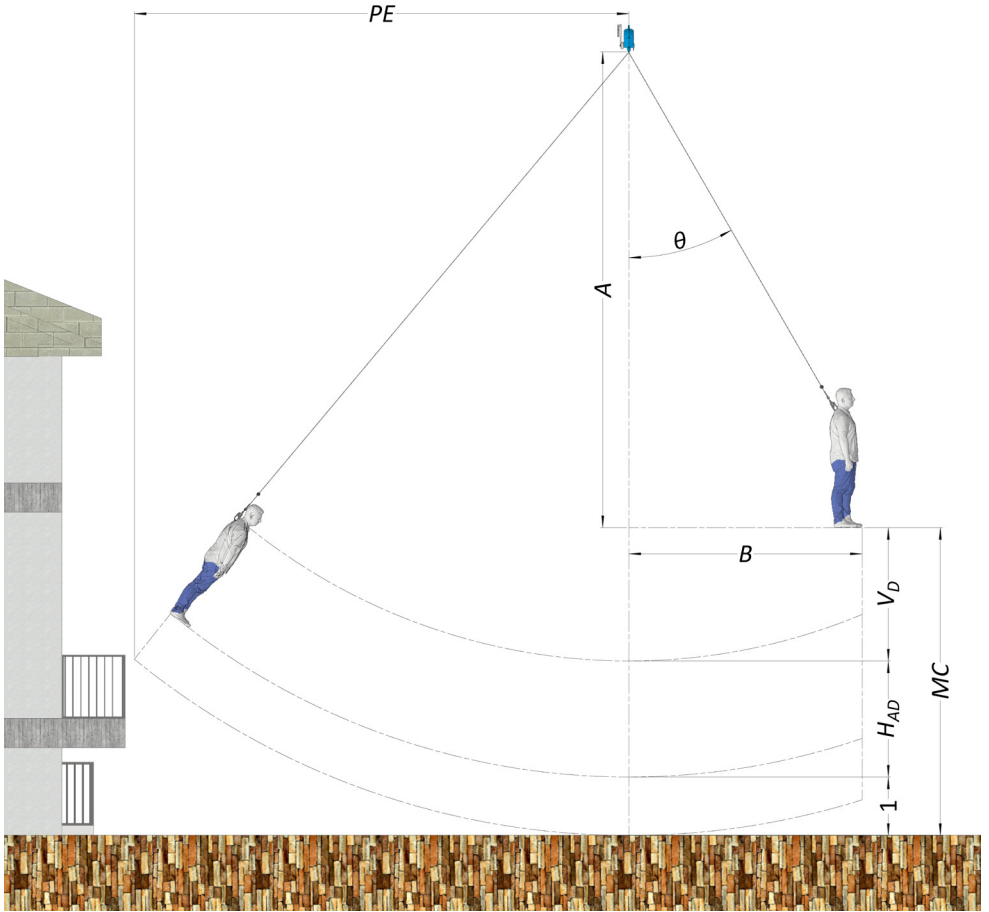
**FIGURE 2**



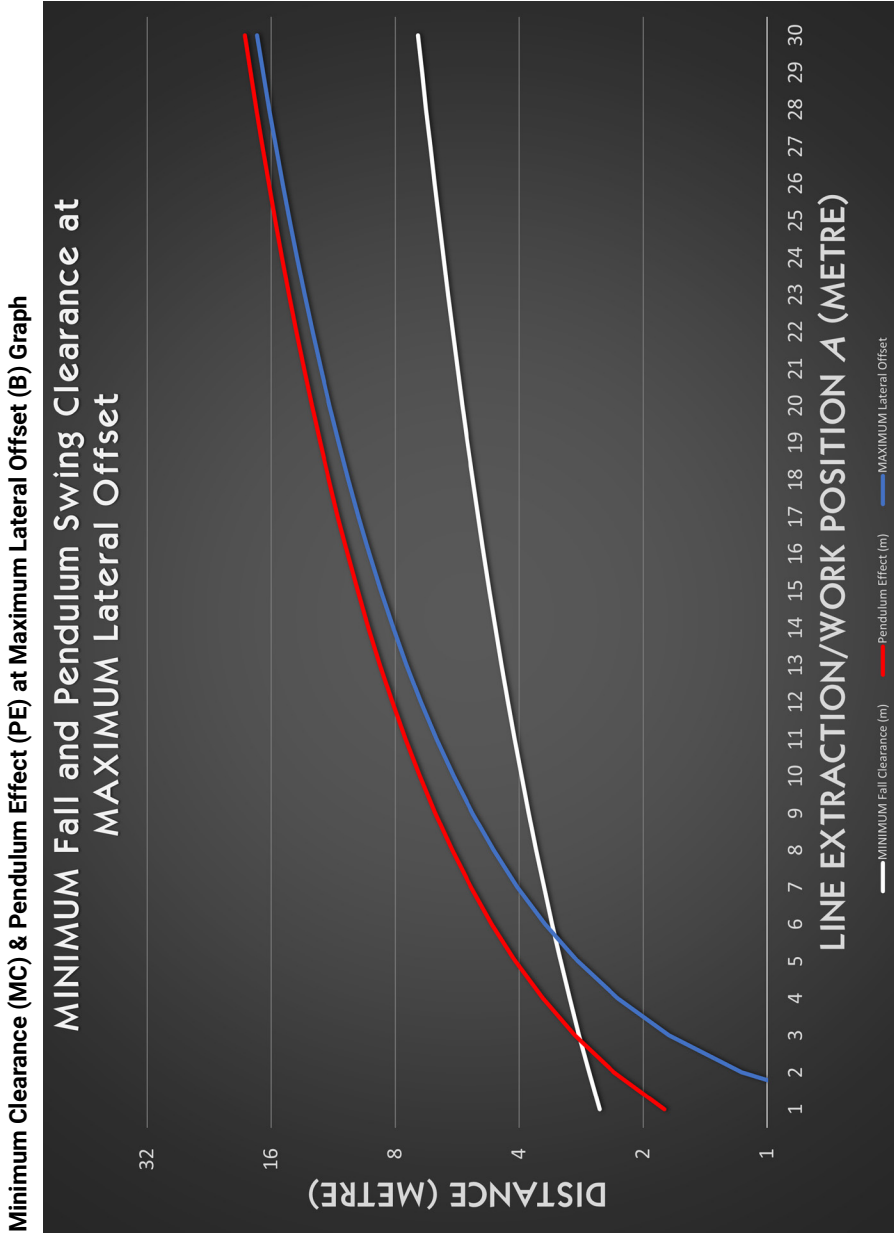
**FIGURE 3**



**FIGURE 4**



**FIGURE 5**



# FIGURE 6

**Minimum Clearance & Pendulum Effect Quick Look-up Table**

All values given in metres (m)

Anchor Point Height (A)	Max. Lateral Offset (B)	Minimum Clearance (MC)	Pendulum Effect (PE)
1	0.58	2.55	1.78
2	1.15	2.71	2.35
3	1.73	2.86	2.93
4	2.31	3.02	3.51
5	2.89	3.17	4.09
10	5.77	3.95	6.97
15	8.66	4.72	9.86
20	11.55	5.49	12.75
30	17.32	7.04	18.52

## 1. OVERVIEW

The STOP is an item of personal protective equipment (PPE). If a user falls, the STOP will automatically stop the user's descent in a short distance whilst limiting the fall arrest force on the user's body. The STOP can be used in conjunction with appropriate, certified anchorages and harnesses. The STOP must NOT be used in conjunction with a second retractable type fall arrester. Each of the STOP product models covered by this manual are specified in the table below:

Model	Conformity	Max. Working Load		Min. Working Load		Lifeline Length		Lifeline & Snap Hook Material
		kg	lbs	kg	lbs	m	ft	
GSE510SSK	BS EN 360:2023 ANSI/ASSP Z359.14-2021 CSA Z259.2.2-17 AS-NZS 1891.3-2020	141	310	60	132	10	33	Stainless Steel
GSE514G						14	46	Zinc Plated Steel
GSE514P						14	46	Synthetic lifeline and Zinc Plated Steel snap hook
GSE530G						30	98	Zinc Plated Steel
GSE525SSK						25	82	Stainless Steel
GSE530P						30	98	Synthetic lifeline and Zinc Plated Steel snap hook

**Figure 1**

A	Anchorage connection point	B	Snap hook
C	ID label	D	Lifeline
E	Visual indicator that only 1 m (3.3 ft) of lifeline remains		


**Figure 2**


A	Visual load indicator not deployed	B	Visual load indicator deployed
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The table below identifies the main features of the STOP which are referred to in this manual. It should be read in conjunction with Figures 1 & 2.

## 2. CAUTION

<b>WARNING</b>	
	<p>These instructions must be issued to users before use of the product and retained for reference. The user must read, understand, and follow all instructions, labels, markings, and warnings supplied with this product and any products intended for use in association with it.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>

<b>WARNING</b>	
	<p>This equipment must not be used outside its limitations, or for any purpose other than that for which it is intended. Never alter or tamper with a STOP. Only for the fall arrest or rescue of one person. Do not use to arrest falls due to the collapse of sliding masses (e.g. grain, sand, and liquids).</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>

## 2.1. TRAINING

- It is the responsibility of the user of this product to familiarise themselves with the content of this user manual.
- Users must be adequately trained by a competent person in the use, inspection, and maintenance of this product.

## 2.2. RESCUE PLAN

- Users of the STOP must have a documented rescue plan and the means to implement it. The plan must consider the equipment in use and any specialist training required to effect prompt rescue under all foreseeable conditions.
- The rescue must only be performed by trained and competent personnel.
- A clear line of communication between the rescuer and the casualty must be maintained throughout the rescue process.

## 2.3. PHYSICAL LIMITATIONS

- The STOP is designed for one user whose weight (including clothing, tools and any other items) is less than the maximum working load specified in Section 1 of this manual.
- Users with muscular, skeletal, medical, or other physical conditions which may reduce their ability to withstand fall-arrest shock or prolonged suspension should consult a doctor before use.
- Pregnant women and minors must never use a STOP.

## 2.4. ENVIRONMENTAL HAZARDS

- Consideration must be given to any environmental hazards to prevent injury to the user or damage to the equipment.
- Environmental hazards may include; chemicals, extreme temperatures, corrosive environments, gases, power lines and edges.
- Contact Globestock if you have any questions about the use of this equipment in the presence of any other environmental hazards.

## 3. IDENTIFICATION


Definitions of the markings on the STOP product labels are provided in the table below. It must be read in conjunction with Figure 3.

A. Important Information															
i	Minimum capacity: 60 kg (132 lb). Maximum capacity: 141 kg (310 lb).		ii Users must refer to Section 6.1 of this manual to determine minimum clearance requirements.												
iii	<table border="1"> <thead> <tr> <th>Standard</th> <th>Maximum arrest force</th> <th>Average arrest force</th> </tr> </thead> <tbody> <tr> <td>ANSI</td> <td>1,800 lbf (8 kN)</td> <td>1,350 lbf (6 kN)</td> </tr> <tr> <td>CSA</td> <td>8 kN (1,800 lbf)</td> <td>6 kN (1,350 lbf)</td> </tr> <tr> <td>EN 360</td> <td>6 kN</td> <td>-</td> </tr> </tbody> </table>		Standard	Maximum arrest force	Average arrest force	ANSI	1,800 lbf (8 kN)	1,350 lbf (6 kN)	CSA	8 kN (1,800 lbf)	6 kN (1,350 lbf)	EN 360	6 kN	-	iv Anchorage must conform to either:  BS EN 795 or ANSI Z359 or CSA Z259 or be capable of supporting a static load of 23 kN in each direction permitted by the system.  OR  BS EN 795 or be capable of supporting a static load of 12 kN in each direction permitted by the system.
	Standard	Maximum arrest force	Average arrest force												
	ANSI	1,800 lbf (8 kN)	1,350 lbf (6 kN)												
	CSA	8 kN (1,800 lbf)	6 kN (1,350 lbf)												
EN 360	6 kN	-													
B. Warnings															
i	Overhead anchor points only.	ii	Always avoid slack line. Do not attach the STOP directly to the harness.												
iii	Always maintain tension on the lifeline. Never allow it to retract freely into the case.	iv	Suitable for one person only.												
v	Do not use over edges or on abrasive surfaces.	vi	Maximum temperature: 54°C (130°F). Minimum temperature: -40°C (-40°F).												
vii	Minimise pendulum effect.	viii	Do not tamper with device.												
C. Pre-Use Inspections															
i	Read user manual.	ii	Visually inspect before each use.												
iii	Check visual load indicator.	iv	Confirm fall arrest brake.												
D. ID Label															
i	Date of manufacture.	ii	Serial Number.												
iii	Model.	iv	Working length of lifeline.												
v	Lifeline diameter.	vi	Lifeline material*.												
vii	Weight.														
* G = Galvanised Steel      S = Stainless Steel      P = Polymer (synthetic)															
E. Manufacturer Information															
F. Notified / Approved Bodies Responsible for Module D Certification															

# 4. INSTALLATION


## 4.1. ASSESSING THE WORKING ENVIRONMENT

- A formal risk assessment of the working environment and the application of the STOP must be conducted by a competent person prior to installation and use.
- The information in this manual is for guidance purposes only. This manual does not remove the requirement for a formal risk assessment by a competent person. The risk assessment must be constantly reviewed to account for any changes to the working environment or application.


<b>WARNING</b>	
	<p>Anchor the device to prevent swing falls and impact with objects in, or adjacent to the fall path. Anchor the device such that the line will not be exposed to edges or abrasive surfaces during a fall arrest.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>

## 4.2. ANCHORAGES

The STOP can be anchored to a suitable anchor point vertically overhead the user, or to a compatible anchorage. Any anchor device used must conform to all national standards and regulations applicable.

<b>WARNING</b>	
	<p>The STOP can only be used on overhead anchorages or compatible anchor devices which conform to all applicable national standards and regulations.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>

- The STOP can only be used with uncertified anchorages which are capable of supporting a static load in each direction permitted by the system, of at least 12 kN (2,700 lbs).


<b>WARNING</b>	
	<p>When more than one personal fall arrest system is attached to a single anchorage, the minimum anchorage strength must be multiplied by the number of personal fall arrest systems attached to it.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>

- Use of the STOP with anchorages that are not approved by Globestock Limited may adversely affect the functional compatibility between system parts and the safety and reliability of the complete system.
- Refer to the manufacturer's instructions supplied with the anchorage to determine suitability and compatibility.
- Contact Globestock directly if you have any doubts regarding compatibility or suitability between systems.

## 4.3. ANCHORAGE CONNECTORS


- Any anchorage connectors (e.g. karabiners) used to connect the STOP to any anchorage must conform to all national standards and regulations applicable.
- The STOP can be used in conjunction with anchorage connectors which conform to any of the following standards; BS EN 362 or ANSI/ASSP Z359 or CSA Z259.

## 5. PRE-USE INSPECTION

<b>WARNING</b>	
	<p>Inspect the STOP before every use according to the criteria below. Remove the STOP from service and quarantine immediately if it fails any of the pre-use inspections. Consult the manufacturer or a competent person if you have any doubts about any of the inspection criteria.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>


### 5.1. VISUAL INSPECTION

- Inspect and confirm that the visual load indicator has not been activated. Remove the STOP from service immediately if the load indicator is deployed.
- Inspect and confirm the gate locking function of the snap hook.
- Inspect and confirm that all product labels are present and legible.
- Inspect the STOP for structural damage and corrosion. Verify that the housing attachments are tight; that there are no missing or altered parts; that there are no cracks, deformations, or deep cuts in the housing or snap hook.
- Inspect and confirm formal inspection record.
- Inspect the ferrules and thimble at the snap hook and confirm there is no evidence of cracks, distortion, corrosion, or wear in the lifeline.
- Inspect the entire length of the lifeline and confirm there are no kinks, bends, bird caging, changes in diameter, corrosion, or broken wires.

<b>WARNING</b>	
	<p>Always maintain tension whilst extracting the lifeline on the lifeline whilst extracting.</p> <p>Do not let go of lifeline, allowing it to retract freely into the case.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>

## 5.2. TEST EXTRACTION / RETRACTION OF LIFELINE AND FALL ARREST BRAKE

- i. Inspect and confirm lifeline extraction and retraction. Pull out the full length of lifeline and allow it to retract back into the case in a controlled manner. The lifeline should retract freely with no obstructions.
- ii. Confirm the fall arrest brake engages by sharply pulling down on the snap hook. The brake should engage and remain engaged until the tension is released.

<b>WARNING</b>	
	<p>Do not allow the lifeline to freely retract into the unit while it is in fall arrest mode.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>


## 6. INSTRUCTIONS FOR USE

### 6.1. FALL CLEARANCE

- Ensure sufficient clearance exists to prevent striking an obstacle or leading edge (e.g., crossbeams and girders) during a fall.
- Attach the STOP to an anchor point directly above the user to mitigate the risk of a swing fall.

### 6.2. MINIMUM CLEARANCE

The minimum clearance (MC) is the minimum distance required below the feet of a user to prevent them colliding with the ground or other obstacles in the fall path (e.g. crossbeams, girders) in the event of a fall occurring. See diagram in Figure 4.

<b>WARNING</b>	
	<p>Ensuring sufficient minimum clearance is critical to safety of the user of this equipment. Minimum clearance must be calculated by a competent person.</p> <p><b>IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.</b></p>

Minimum clearance is calculated using the formula:

$$\begin{aligned} \text{Minimum Clearance (MC) =} & \quad \text{Maximum Arrest Distance (HAD) +} \\ & \quad \text{Vertical Displacement due to Lateral Offset (VD) +} \\ & \quad \text{Deflection and/or Displacement of Anchor Device +} \\ & \quad \text{An additional 1 metre} \end{aligned}$$

Use the table and line graph in Figures 5 and 6 to determine minimum clearance.

### WARNING



If the STOP is attached to an anchor device that is designed to deflect or deploy in a fall (e.g. horizontal lifeline), then the additional deployment of that device must be included in the minimum clearance.

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

## 6.3. PENDULUM EFFECT

The pendulum effect (PE) is the distance a user will swing past the vertical due to the lateral offset (VD) of the user's work position in the event of a fall occurring. See diagram in Figure 4. Additional free space will be required to prevent the user colliding with the ground or other obstacles in the fall path, due to the pendulum effect (PE).

Use the table and line graph in Figures 5 and 6 to determine pendulum effect (PE).

### WARNING



Lateral offset (B) will result in pendulum swing past the vertical and risk impact due to swinging.

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

### WARNING



The greater the angle ( $\theta$ ) and lateral offset (B), the more free space is required to avoid the user colliding with the ground or other obstacles in the fall path, including the pendulum effect. Pendulum effect (PE) can be greater than the original lateral offset (B) due to the initial arrest distance (HAD).

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

## 6.4. ATTACHING TO THE USER

- The STOP can only be used in conjunction with a full-body harness which conforms to all national standards and regulations applicable.
- The STOP can only be used with full-body harnesses which conform to:
  - i. EN 361; or
  - ii. ANSI/ASSP Z359.11; or
  - iii. CSA Z259.10
- The STOP must only be connected to the D-ring on the front or back of the full-body harness.
- Connect the STOP's snap hook directly to the fall arrest attachment point of the full-body harness. Ensure the snap hook gate is closed and locked.

### WARNING



Do not rely on feel or sound to verify proper snaphook engagement. Always visually check for proper engagement.

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

### **WARNING**



Rescue must be conducted safely and promptly after a fall has occurred.

Proceed with extreme caution when disconnecting the user from the STOP after completion of the rescue.

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

## **6.5. MAINTENANCE, STORAGE & TRANSPORTATION**

- Use a suitable bag or box to prevent damage when transporting the STOP.
- This equipment must be stored in a manner as to preclude damage from environmental factors such as heat, light, excessive moisture, oil, chemicals and their vapours, or other degrading elements.
- If this product is re-sold outside the original country of destination, the reseller shall provide instructions for use, maintenance, periodic examination and repair in the language of the country in which the product is to be used.
- This product has been designed and manufactured to function for at least 10 years, providing that it is used in accordance with all instructions within this manual.

### **WARNING**



Equipment which is in need of, or is scheduled for, maintenance must be tagged "UNUSABLE" and removed from service immediately.

Formal inspection and recertification must be conducted in accordance with the requirements set out in Section 7 of this manual.

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

## **7. FORMAL INSPECTION & RECERTIFICATION**

- The STOP must be formally inspected and recertified by a Globestock-approved service agent at least every 12 months.
- If the STOP has arrested a fall, it must be removed from service, marked or tagged "UNUSABLE" and returned to a Globestock approved service agent for formal inspection and recertification.
- If the STOP is in need of, or is scheduled for, formal inspection, it must be removed from service, marked or tagged "UNUSABLE" and returned to a Globestock-approved service agent for formal inspection and recertification.

The STOP may require formal inspection and recertification more frequently when used in harsh environments. The information in the table below can be used as a guide to determine the required frequency of formal inspection.

Type of Use	Application Examples	Conditions of Use	Formal Inspection Frequency
Infrequent to Light	Rescue, factory maintenance	Good storage conditions, indoor or infrequent outdoor use, ambient temperature, clean environments	Annually
Moderate to Heavy	Transportation, residential construction, utilities, warehouse	Fair storage conditions, indoor and extended outdoor use, all temperatures, clean or dusty environments	Semi-annually to annually
Severe to Continuous	Rental, oil and gas, mining	Harsh storage conditions, prolonged or continuous outdoor use, all temperatures, dirty environment	Quarterly to semi-annually

### **WARNING**



Only Globestock approved service agents can formally inspect and recertify this product.

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

### **WARNING**



The safety of the users of this product depends on the continued efficiency and durability of the equipment.

This product must undergo formal inspection and recertification whenever it arrests a fall, regardless of when it was last formally inspected and recertified.

**IMPROPER USE MAY RESULT IN SERIOUS INJURY OR DEATH.**

A record of formal inspections should be maintained. The record should include, at a minimum, the identity of the STOP, inspection date, name of competent person conducting the inspection and the results of that inspection. A sample inspection record can be found in section 9. The formal inspection and recertification of the STOP does not replace or supersede any relevant legislative or regulatory requirements that may be in place for this type of equipment in the jurisdiction it is being used. Visit [www.globestock.co.uk](http://www.globestock.co.uk) to find your nearest Globestock-approved service agent.

## **8. NOTIFIED / APPROVED BODIES**

Quintin Certifications SARL  
825 route de Romans  
38160 Saint Antoine l'Abbaye  
France  
Notified Body Number 2927

#### **Ongoing Conformity (Module D) (UKCA)**

##### **Personal Protective Equipment:**

SGS United Kingdom Limited  
Rossmore Business Park,  
Inward Way, Ellesmere Port, Cheshire  
CH65 3EN  
Approved Body Number 0120

#### **Ongoing Conformity (Module D) (CE)**

##### **Personal Protective Equipment:**

SGS Fimko Ltd.  
Takomotie 8, 00380 Helsinki  
Finland  
Notified Body Number 0598







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Declarations Of Conformity available at  
<https://www.globestock.co.uk/technical/declarations-of-conformity/>

Part# 100-010-10 Issue 02

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