



# **GUARD USER INSTRUCTIONS**

**(Original Instructions)**

**Instrucciones para el usuario  
Instructions d'utilisation  
Gebruikersinstructies  
Istruzioni per l'utilizzatore  
Bedienungsanleitungen**

**GUARD150G, GUARD150S  
GUARD300G, GUARD300S  
GUARD500G, GUARD500S,  
GUARD800S, GUARD1000G  
& GUARD1500G**



**UK  
CA** **CE**



**EN**

**ES**

**FR**

**NL**

**IT**

**DE**

# Language

|            |    |
|------------|----|
| English    | 2  |
| Español    | 12 |
| Français   | 22 |
| Nederlands | 32 |
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## 1. Overview

Guard load arrestors are a range of products designed and manufactured by Globestock Limited in the United Kingdom.

Guard load arrestors are retractable load arrestors, specifically designed to arrest the fall of a load if the primary hoist mechanism suspending the load fails. A shock absorbing brake mechanism within the Guard load arrestor helps prevent damage to the load during an arrest. Guard load arrestors can mitigate the risk of injury, death or damage occurring if the primary hoist mechanism suspending the load fails.

Each of the Guard load arrestors covered by this manual are specified in Appendix A and illustrated below.

## 2. Caution

Guard load arrestors must be used according to the manufacturer's instructions. Failure to do so could result in serious injury or death. Guard load arrestors cannot be used to secure personnel.

Use of a Guard load arrestor does not remove the responsibility to inspect and maintain the primary hoist mechanism according to the manufacturer's instructions and any relevant legislation or regulation. A formal assessment of the installation, inspection schedule, maintenance schedule and any identified risks must be undertaken by a competent person prior to using Guard load arrestors.

A procedure to recover the load in the event of an arrest must be defined and documented by a competent person, prior to using Guard load arrestors. The potential fall path beneath the load must be kept clear.

## 3. Identification



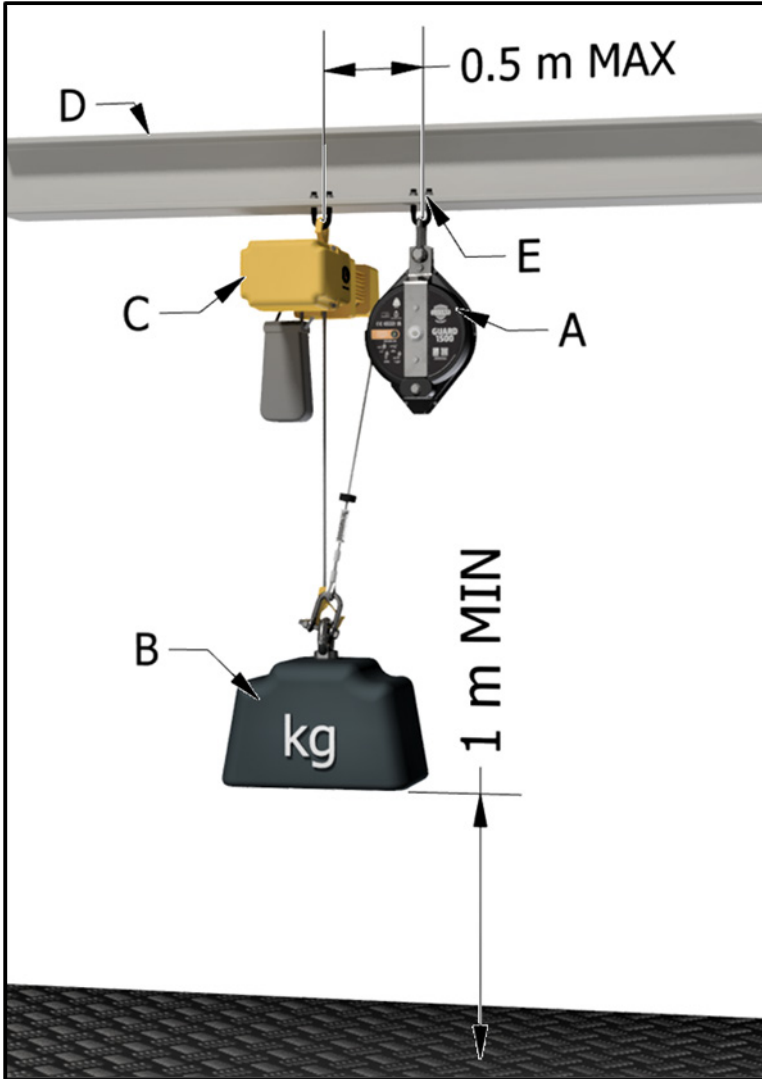
|          |  |     |                                      |
|----------|--|-----|--------------------------------------|
| <b>A</b> | <b>Pre-Use Inspections</b>                         |     |                                      |
| i        | Visually inspect Guard load arrestor               | ii  | Check load indicator                 |
| iii      | Visually inspect wire rope                         | iv  | Check arrest mechanism               |
| <b>B</b> | <b>Additional Information</b>                      |     |                                      |
| i        | Read instructions                                  | ii  | Minimum anchor strength              |
| iii      | Maximum working load                               | iv  | CE Machinery Directive / SMSR / UKCA |
| v        | UKCA Supply of Machinery (Safety) Regulations 2008 |     |                                      |
| <b>C</b> | <b>Product Information</b>                         |     |                                      |
| i        | Product name                                       | ii. | Product logo                         |
| <b>D</b> | <b>Manufacturer Information</b>                    |     |                                      |

## 4. Installation

Guard load arrestors must be installed by a competent person.

Appropriate personal protective equipment (PPE) must be worn when installing Guard load arrestors. If you have any doubts about any aspect of the installation, contact the manufacturer or an approved distributor for clarification. Consider using lifting aids when installing heavy equipment.

# 4.1. Single Hoist Installation

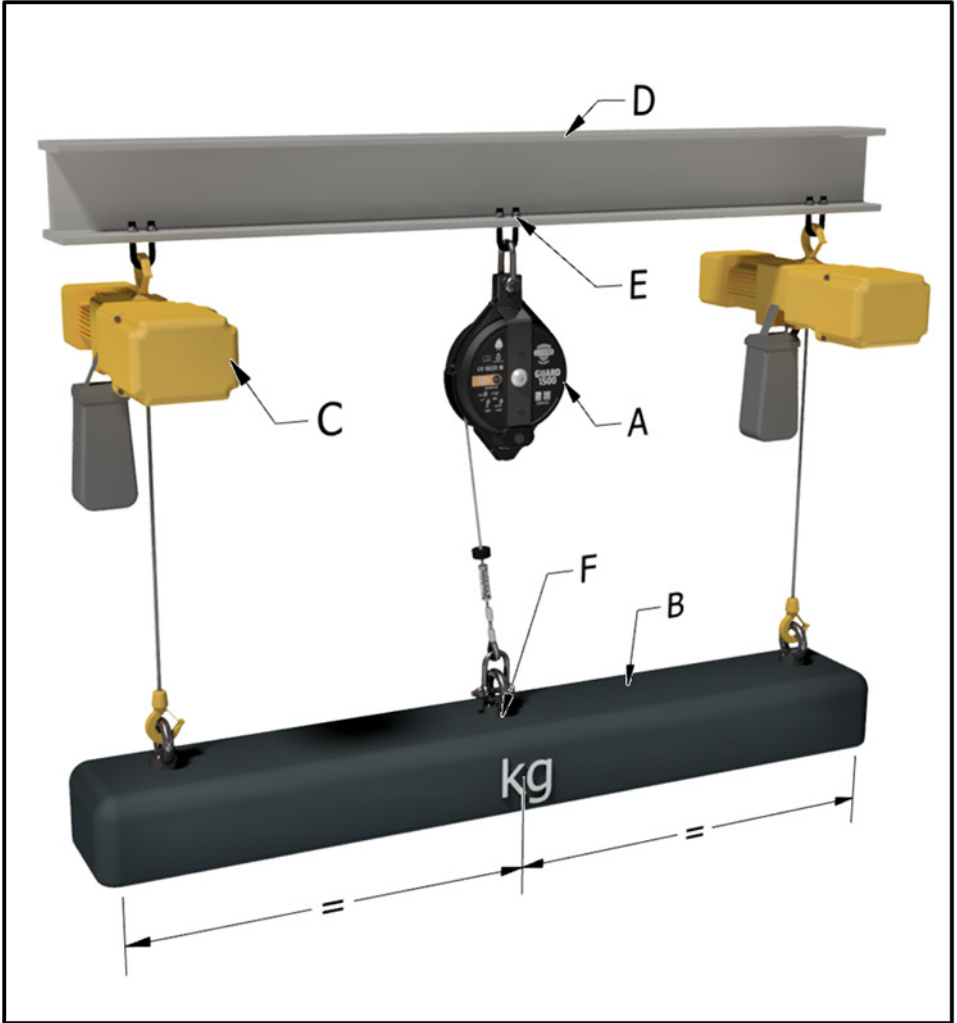


## Key

|   |                         |
|---|-------------------------|
| A | Guard Load Arrestor     |
| B | Load                    |
| C | Primary Hoist Mechanism |
| D | Support Beam            |
| E | Anchor Point            |

- A. Connect the Guard load arrestor to an anchor point by its anchorage shackle.**
- i. Ensure the rope exit on the Guard load arrestor faces towards the primary hoist mechanism.
  - ii. Ensure the anchorage shackle nut is fastened completely. ***Do not overtighten or crush the anchorage shackle.***
  - iii. Ensure the anchor point of the Guard load arrestor is no more than 0.5 metres from the anchor point of the primary hoist mechanism.
  - iv. Keep the Guard load arrestor perpendicular to the primary hoist mechanism to minimise twisting and wear.
  - v. The minimum strength requirements for the anchor point are specified in Appendix A of this manual.
- B. Conduct pre-use inspections as described in Section 5 of this manual.**
- C. Connect the Guard's wire rope shackle to the load connector.**
- i. Ensure the Guard's wire rope shackle nut is fastened completely. ***Do not overtighten or crush the Guard's wire rope shackle.***
  - ii. ***Do not attach the Guard's wire rope shackle to the hoist hook.***
  - iii. The minimum strength requirements for the anchor point specified in Appendix A also apply to the load connector.
  - iv. For loads with an evenly distributed mass, the load connector must be positioned at the central point of the load.
  - v. For loads with an unevenly distributed mass, the load connector must be positioned in line with the load's centre of gravity.
  - vi. The red marker, one metre from the anchor point of the rope to the unit, should not be visible outside the unit.
- D. Ensure there is a minimum of 1 metre between the suspended load and any personnel, sensitive equipment, or obstructions underneath it. Additional clearance should be provided where possible.**

## 4.2. Multiple Hoist Installation

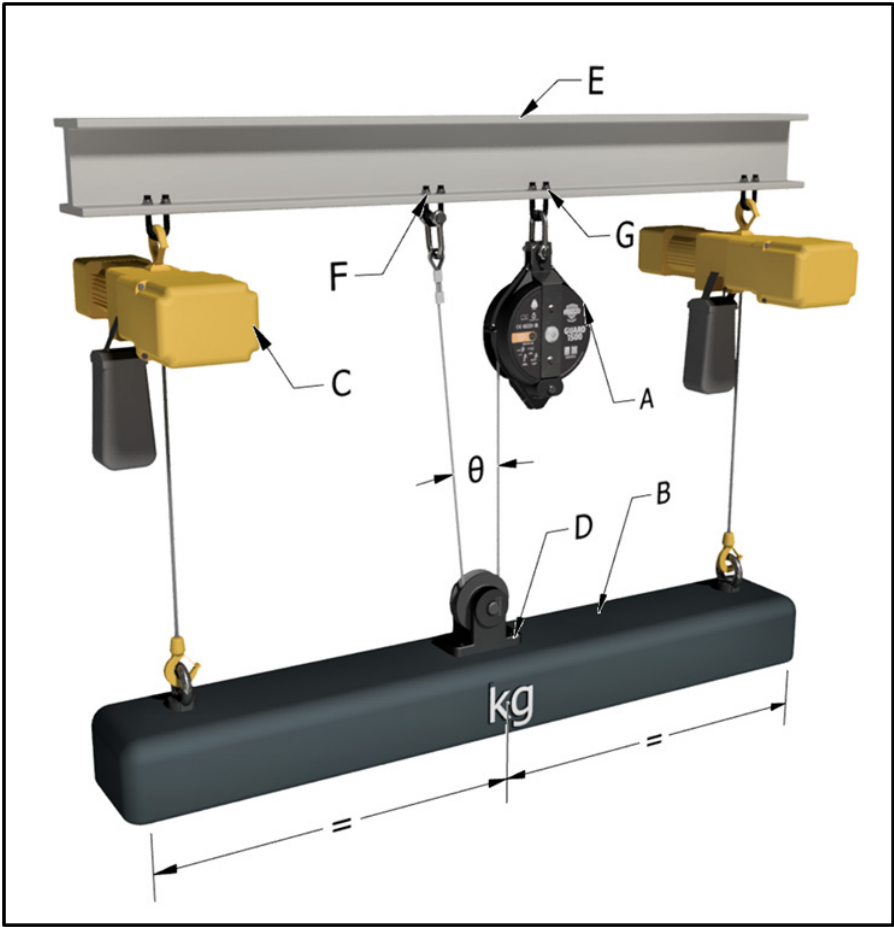


## Key

|   |                         |
|---|-------------------------|
| A | Guard Load Arrestor     |
| B | Load                    |
| C | Primary Hoist Mechanism |
| D | Support Beam            |
| E | Anchor Point            |
| F | Load Connector          |

- A. Connect the Guard load arrestor to an anchor point by its anchorage shackle.**
- i. Position the Guard load arrestor and anchor point directly above the proposed load connector point.
  - ii. Ensure the anchorage shackle nut is fastened completely. ***Do not overtighten or crush the anchorage shackle.***
  - iii. Keep the Guard load arrestor perpendicular to the primary hoist mechanism to minimise twisting and wear.
  - iv. The minimum strength requirements for the anchor point are specified in Appendix A of this manual.
- B. Conduct pre-use inspections as described in Section 5 of this manual.**
- C. Connect the Guard's wire rope shackle to the load connector.**
- i. Ensure the Guard's wire rope shackle nut is fastened completely. ***Do not overtighten or crush the Guard's wire rope shackle.***
  - ii. The minimum strength requirements for the anchor point specified in Appendix A also apply to the load connector.
  - iii. For loads with an evenly distributed mass, the load connector must be positioned at the central point of the load
  - iv. For loads with an unevenly distributed mass, the load connector must be positioned in line with the load's centre of gravity.
  - v. The red marker, one metre from the anchor point of the rope to the unit, should not be visible outside the unit.
- D. Ensure there is a minimum of 1 metre between the suspended load and any personnel, sensitive equipment, or obstructions underneath it. Additional clearance should be provided where possible.**

## 4.3. Pulley Connector Installation



Key

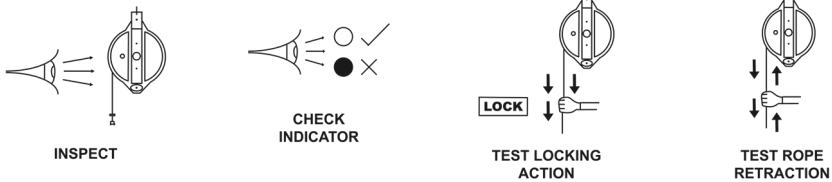
|   |                         |
|---|-------------------------|
| A | Guard Load Arrestor     |
| B | Load                    |
| C | Primary Hoist Mechanism |
| D | Pulley Connector        |
| E | Support Beam            |
| F | Secondary Anchor Point  |
| G | Anchor Point            |

- A. Connect the Guard load arrestor to an anchor point by its anchorage shackle.**
- i. Position the Guard load arrestor and anchor point directly above the proposed load connector point.
  - ii. Ensure the anchorage shackle nut is fastened completely. **Do not overtighten or crush the anchorage shackle.**
  - iii. Keep the Guard load arrestor perpendicular to the primary hoist mechanism to minimise twisting and wear.
  - iv. The minimum strength requirements for the anchor point are specified in Appendix A of this manual.
- B. Conduct pre-use inspections as described in Section 5 of this manual.**
- C. Connect the Guard's wire rope shackle to the load connector.**
- i. Extract the wire rope, feed it underneath the pulley connector or sheave and double it back up to fasten to a secondary anchor point. **Do not attach to the same anchor point as the Guard load arrestor.**
  - ii. Ensure the Guard's wire rope shackle nut is fastened completely. **Do not overtighten or crush the Guard's wire rope shackle.**
  - iii. The minimum strength requirements for the anchor point specified in Appendix A also apply to the load connector.
  - iv. For loads with an evenly distributed mass, the load connector must be positioned at the central point of the load.
  - v. For loads with an unevenly distributed mass, the load connector must be positioned in line with the load's centre of gravity.
  - vi. When in use, the angle  $\theta$  must remain between  $0^\circ$  and  $45^\circ$ .
  - vii. The red marker, one metre from the anchor point of the rope to the unit, should not be visible outside the unit.
- D. Ensure there is a minimum of 1 metre between the suspended load and any personnel, sensitive equipment, or obstructions underneath it. Additional clearance should be provided where possible.**
- E. Additional considerations.**
- Using a pulley connector allows the Guard load arrestor to arrest twice its maximum working load (MWL). As a result, certain speeds and forces in the system are altered.
- i. The pulley connector's strength must be twice the anchor requirements specified in Appendix A.
  - ii. The support beam must be twice the anchor requirements specified in Appendix A.
  - iii. The usable rope length will be half that specified in Appendix A.
  - iv. The maximum running speed will be half that specified in Appendix A.

# 5. Pre-Use Inspection

All Guard load arrestors must be subjected to a pre-use inspection after installation and before each subsequent use.

Pre-use inspections must be conducted by a competent person. It is good practice to keep a record of all pre-use inspections. A sample inspection record is provided in Appendix B of this manual.



Appropriate personal protective equipment (PPE) must be worn when conducting pre-use inspections.

## A. Visual Inspection of Guard Load Arrestor

- i. Inspect case for deformation or any other damage.
- ii. Confirm that all fasteners are present and secure.
- iii. Confirm load indicator lens is clearly visible and does not show red.
- iv. Confirm that all product labels are present and clearly legible.

## B. Visual Inspection of Guard Load Arrestor's Wire Rope

- i. Confirm that Guard's wire rope shackle is present and functional.
- ii. Confirm that there are no sharp edges present at the wire rope exit.
- iii. Extract all wire rope from the Guard load arrestor. **Do not let go of the wire rope.**
- iv. Confirm that there are no damaged or broken strands.
- v. Confirm that there are no signs of corrosion.
- vi. Confirm that red marker is present on the last metre of wire rope.
- vii. Slowly allow the wire rope to retract and confirm that it all retracts back into the Guard load arrestor.

## C. Arrest Mechanism

- i. Confirm arrest mechanism locks when rope is extracted quickly (by hand) from the Guard load arrestor.

Any Guard load arrestor which fails any of the above pre-use inspections must be removed from service immediately and sent to a Globestock approved service agent for maintenance.

This pre-use inspection does not replace or supersede any relevant legislative or regulatory requirements that may be in place for this type of work equipment.

## 6. Maintenance

All Guard load arrestors must undergo periodic maintenance to ensure they continue to operate safely and effectively.

Guard load arrestors must be maintained by a Globestock approved service agent at least every 12 months. Guard load arrestors may require more frequent maintenance when they are used in harsh environments.

Guard load arrestors must undergo periodic maintenance whenever they arrest a load, regardless of when they were last maintained. This maintenance does not replace or supersede any relevant legislative or regulatory requirements that may be in place for this type of equipment.

Never open a Guard unit, unless trained and explicitly authorised to do so by Globestock.

## 7. After an Arrest

A procedure to recover the load in the event of an arrest must be defined and documented by a competent person, prior to using Guard load arrestors.

The Guard load arrestor will activate and arrest the load if the primary system suspending a load fails. In this scenario, consideration must be given to the items listed below:

1. The immediate surrounding area must be cordoned off to prevent any unauthorised access near to or underneath the suspended load.
2. The suspended load must be manoeuvred to a safe area soon as possible. This could be the ground or a suitable raised platform capable of supporting the load.
3. The suspended load must be lifted slightly to allow the wire rope to retract and disengage the brake mechanism.
4. Additional wire rope can be extracted from Guard once the brake mechanism has been disengaged.
5. In certain circumstances, it is possible for the wire rope to bind onto the rope drum inside the Guard and prevent any extraction / retraction of wire rope. In this scenario, the suspended load must be fully supported and then unattached from the Guard.

**Any Guard load arrestors which arrest a load must be removed from service immediately and sent to a Globestock approved service agent for maintenance.**