Product Name: Beamer 2000+

Part #: 00102

Instruction Manual

Do not throw away these instructions!
Read and understand these instructions before using equipment!

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Introduction

Thank you for purchasing a Guardian Fall Protection Beamer 2000+. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.

This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the Beamer 2000+, and all fall safety equipment used in combination with the Beamer 2000+.

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Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.1-2007, and ANSI A10.32-2012 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

Worker Classifications

**CAUTION** Understand the following definitions of those who work near or who may be exposed to fall hazards.

**Qualified Person:** A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems.

**Competent Person:** A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

**Authorized Person:** A person who is assigned by their employer to work around or be subject to potential or existing fall hazards.

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.
**Product Specific Applications**

**Personal Fall Arrest:** Beamer 2000+ may be used to support a MAXIMUM 1 PFAS for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6’, or up to 12’ if used in combination with equipment explicitly certified for such use. Applicable D-ring: Dorsal.

**Restraint:** Beamer 2000+ may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

**Rescue/Confined Space:** Beamer 2000+ may be used in Rescue/Confined Space applications. Rescue systems function to safely recover a worker from a confined location or after exposed to a fall. There are various configurations of Rescue systems depending on the type of rescue. Structure must withstand loads applied in the directions permitted by the system of at least 3,000 lbs. No free fall is permitted. Applicable D-rings: Dorsal, Chest, Shoulder.

For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-420 lbs.

**Limitations**

**Fall Clearance:** There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 3’ safety factor, deceleration distance, user height, length of lanyard/SRL, and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY.

**Swing Falls:** Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.
**Components and Specifications**

**Materials:**

- **High Strength Bar:** Aluminum.
- **Clamp (Adjustable and Fixed):** Bronze alloy.
- **D-ring:** Zinc-plated steel.
- **Internal Springs:** Stainless steel.

**Compatibility:** When making connections with Beamer 2000+, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with Beamer 2000+ by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

- **Connector closed and locked to D-ring.** OK.
- **Two or more snap hooks or carabiners connected to each other.** NO.
- **Two connectors to same D-ring.** NO.
- **Incompatible or irregular application, which may increase risk of roll-out.** NO.
- **Connector to integral lanyard.** NO.
- **Connector directly to webbing.** NO.
- **Application that places load on gate.** NO.
- **Connector directly to horizontal lifeline.** NO.
Installation and Use

Compatible beam flange thickness: 1/2” to 1-1/4”

Compatible beam flange width: 3-1/2” to 14”

Prior to installation, plan your system:

1. Beamer 2000+ is an adjustable anchorage connector, and is designed for use both overhead and at foot level. If used below the harness dorsal D-ring in fall arrest applications, ALWAYS account for increase in required fall clearance, and ALWAYS use personal fall arrest system (PFAS) equipment explicitly certified for extended free fall up to 12’.

2. Ensure that all PFAS equipment to be used in combination with Beamer Anchors is selected and deemed compatible by a Competent Person.

3. Make considerations for eliminating or minimizing swing fall hazards.

4. Ensure selected “I”, “H”, or “W” structural beam is capable of supporting minimum load of 5,000 lbs., is compatible with applicable Beamer Anchor, and adheres to the flange thickness and width requirements specified by this instruction manual.

5. Beamer Anchors MUST NOT be used as permanent anchorage connectors, or as components of a horizontal lifeline system.

Installation:

1. Hook Fixed Clamp over selected beam flange. High strength bar must be positioned perpendicular to beam.

2. Engage Toggle on Adjustable Clamp and tighten Adjustable Clamp against beam as snugly as possible.

3. Release Toggle and ensure Adjustable Clamp is fully locked. Ensure that Beamer 2000+ cannot disengage from beam. Always readjust when switching or continuing to beams of different size.


**WARNING**

Images shown are for example only. Beamer Anchor MUST be installed so no risk exists for it to come off end of beam. Beam shown IS NOT acceptable for Beamer Anchor installation. Beam MUST possess physical barrier that will function to eliminate all risk of disengagement.
Maintenance, Cleaning, and Storage

If Beamer 2000+ fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair.

Cleaning after use is important for maintaining the safety and longevity of Beamer 2000+. Remove all dirt, corrosives, and contaminants from Beamer 2000+ before and after each use. If Beamer 2000+ cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Beamer 2000+ with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect Beamer 2000+ for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels. IMMEDIATELY remove Beamer 2000+ from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 6 months, a Competent Person other than the user must inspect Beamer 2000+. Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.

During inspection, consider all applications and hazards Beamer 2000+ have been subjected to.

Inspection Log

Date of First Use: __________________.

Product lifetime is indefinite as long as it passes pre-use and Competent Person inspections. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and initial.

This inspection log must be specific to one Beamer 2000+. Separate inspection logs must be used for each Beamer 2000+. All inspection records must be made visible and available to all users at all times.

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If equipment fails inspection IMMEDIATELY REMOVE FROM SERVICE.
Safety Information

Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person’s judgment or knowledge of federal or state standards.

Do not alter equipment. Do not misuse equipment.

Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner. Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a Competent Person.

Unless explicitly stated otherwise, the maximum allowable free fall distance for lanyards must not exceed 6’. No free fall allowed for non-LE SRLs. Class A SRLs must arrest falls within 24”; Class B SRLs must arrest falls within 54”.

Harnesses and connectors selected must be compliant with manufacturer’s instructions, and must be of compatible size and configuration. Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and carabiners must be self-locking and self-closing, and must never be connected to each other.

A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user’s ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.
GUARDIAN FALL PROTECTION
BREAKING STRENGTH: 5000 lbf (22.2kN) MFG: MM/YYYY

(Retaining Bushing)
*Inspect for wear or damage.

WARNING!
READ CAREFULLY BEFORE USING
MANUFACTURER’S INSTRUCTIONS INCLUDED AT
TIME OF SHIPMENT MUST BE FOLLOWED AT ALL
TIMES FOR PROPER USE, MAINTENANCE, AND
INSPECTION. ALTERATION, ABUSE, OR MISUSE
OF THIS PRODUCT MAY RESULT IN SERIOUS
INJURY OR DEATH. DO NOT REMOVE LABELS.

INSTRUCTION GRID
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Inspect prior to each use. Competent
person must inspect and record at
least every 6 months.
Product Name: Beamer 3000 & Minotaur

Part #: 00104; 00106

Instruction Manual

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Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.1-2007, and ANSI A10.32-2012 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

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CAUTION Understand the following definitions of those who work near or who may be exposed to fall hazards.

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Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards.

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.
Product Specific Applications

**WARNING** Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.

**Personal Fall Arrest:** Beamer 3000/Minotaur may be used to support a MAXIMUM 1 PFAS for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6’, or up to 12’ if used in combination with equipment explicitly certified for such use. Applicable D-ring: Dorsal.

**Restraint:** Beamer 3000/Minotaur may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

**Rescue/Confined Space:** Beamer 3000/Minotaur may be used in Rescue/Confined Space applications. Rescue systems function to safely recover a worker from a confined location or after exposed to a fall. There are various configurations of Rescue systems depending on the type of rescue. Structure must withstand loads applied in the directions permitted by the system of at least 3,000 lbs. No free fall is permitted. Applicable D-rings: Dorsal, Chest, Shoulder.

For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-420 lbs.

**Limitations**

**Fall Clearance:** There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 3’ safety factor, deceleration distance, user height, length of lanyard/SRL, and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY.

**Swing Falls:** Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.

**FALL CLEARANCE CALCULATION**

- **Lanyard length** (6’ total)
- **Deceleration distance** (4’ total)
- **Height of harness dorsal D-ring from worker’s feet** (6’ total)
- **Safety factor** (3’ total)

**Diagram shown is an example fall clearance calculation ONLY.**
Compatibility: When making connections with Beamer 3000/Minotaur, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with Beamer 3000/Minotaur by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

- Connector closed and locked to D-ring. **OK.**
- Two or more snap hooks or carabiners connected to each other. **NO.**
- Two connectors to same D-ring. **NO.**
- Incompatible or irregular application, which may increase risk of roll-out. **NO.**
- Connector to integral lanyard. **NO.**
- Connector directly to webbing. **NO.**
- Application that places load on gate. **NO.**
- Connector directly to horizontal lifeline. **NO.**

Components and Specifications

Materials:

- High Strength Load Bar: Aluminum.
- Adjustment Clamps and Toggles: Manganese Bronze.
- D-ring: Nickel-Plated Steel.
- Internal Spring: Zinc-Plated Steel.

Weight:

- Beamer 3000: 3.6 lbs.
- Minotaur: 6.8 lbs.
Installation and Use

Beamer 3000 (#00104):
- Compatible beam flange thickness: 1/4” - 1-1/4”.
- Compatible beam width: 3-1/2" - 14”.

Minotaur (#00106):
- Compatible beam flange thickness: 1/4” - 2-1/2”.
- Compatible beam width: 14” - 30”.

Beamer 3000/Minotaur MUST NOT be used as permanent anchor.
Beamer 3000/Minotaur MUST ONLY be installed on horizontal structural steel “I” or “H” beams capable of withstanding a minimum load of 5,000 lbs.

Prior to use, plan your system:

1. Beamer 3000/Minotaur Anchors are adjustable anchorage connectors designed for use both overhead and at foot level. If used below harness dorsal D-ring in Fall Arrest applications, ALWAYS account for variation in free fall distance, and ALWAYS use PFAS equipment certified for extended free fall. MAXIMUM extended free fall is 12’.

2. Ensure all PFAS equipment is selected and deemed compatible with Beamer 3000/Minotaur Anchor by a Competent Person.

3. Make considerations for eliminating or reducing swing fall hazards.

4. Ensure applicable structural “I” or “H” beam is compatible with Beamer 3000/Minotaur, and adheres to flange thickness and width requirements specified by this manual.

Installation:

1. Using Toggles, position Adjustable Clamps so Beamer 3000/Minotaur will fit over selected structural beam flange. Hook one Adjustable Clamp over beam flange. High Strength Load Bar must be perpendicular to beam.

2. Engage Toggle on remaining Adjustable Clamp and tighten Adjustable Clamp against beam as snugly as possible. Release Toggle and ensure Adjustable Clamps are fully locked and Beamer 3000/Minotaur will not move. ALWAYS readjust Beamer 3000/Minotaur when switching or continuing to beams of different size.

3. Attach complete and compatible PFAS to Beamer 3000/Minotaur D-ring.

DANGER

NEVER use in vertical applications. For use on horizontal “I” and “H” beams ONLY. Obstruction MUST be present at beam ends to eliminate all risk of anchor detachment from beam ends.

Example beams shown ONLY! ALWAYS ensure obstruction exists at beam ends to eliminate all risk of anchor detachment from beam ends.
Maintenance, Cleaning, and Storage

If Beamer 3000/Minotaur fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair.

Cleaning after use is important for maintaining the safety and longevity of Beamer 3000/Minotaur. Remove all dirt, corrosives, and contaminants from Beamer 3000/Minotaur before and after each use. If Beamer 3000/Minotaur cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Beamer 3000/Minotaur with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect Beamer 3000/Minotaur for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels. IMMEDIATELY remove Beamer 3000/Minotaur from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 6 months, a Competent Person other than the user must inspect Beamer 3000/Minotaur. Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.

During inspection, consider all applications and hazards Beamer 3000/Minotaur have been subjected to.

Inspection Log

Date of First Use: ________________.

Product lifetime is indefinite as long as it passes pre-use and Competent Person inspections. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and initial.

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Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

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Unless explicitly stated otherwise, the maximum allowable free fall distance for lanyards must not exceed 6’. No free fall allowed for non-LE SRLs. Class A SRLs must arrest falls within 24”; Class B SRLs must arrest falls within 54”.

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A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user’s ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.
Labels

Beamer Series
Structural Steel Fall Protection
Part #: 90232 (Rev. B)

WARNING! READ CAREFULLY BEFORE USING
MANUFACTURER’S INSTRUCTIONS INCLUDED AT TIME OF SHIPMENT MUST BE FOLLOWED AT ALL TIMES FOR PROPER USE, MAINTENANCE, AND INSPECTION. ALTERATION, ABUSE, OR MISUSE OF THIS PRODUCT MAY RESULT IN SERIOUS INJURY OR DEATH. DO NOT REMOVE LABELS.

Inspection Grid:
Inspect prior to each use. Competent Person must inspect and record at least every 6 months.

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ANSI Z359.1-07, ANSI A10.32-12, OSHA 1910, and OSHA 1926 Subpart M. Maximum 1 connection per Beamer Anchor. Capacity range: 130 - 420 lbs. Minimum breaking strength: 5,000 lbs. Materials: aluminum, manganese, bronze, and steel. Always use with compatible equipment, possibly including special lanyard for tie-off at foot level. MAKE ONLY COMPATIBLE CONNECTIONS. FOR USE ON STRUCTURAL STEEL I AND H BEAMS ONLY. Adjust Beamer Anchor at every junction or flange dimension change.

Beamer 3000/Minotaur Engravings:

- Capacity
- ANSI Standard
- Date of Manufacture
- Serial #

Guardian Fall Protection
Phone #
Product Name
Part #
Product Name: Beamer 2000

Part #: 00101; 00103

Instruction Manual

Do not throw away these instructions! Read and understand these instructions before using equipment!

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<td>6</td>
</tr>
<tr>
<td>Labels</td>
<td>7</td>
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</table>
Introduction

Thank you for purchasing a Guardian Fall Protection Beamer 2000. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.

This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the Beamer 2000, and all fall safety equipment used in combination with the Beamer 2000.

<table>
<thead>
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<th>User Information</th>
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<tr>
<td>Date of First Use: __________________________</td>
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<td>Serial #: _______________________________</td>
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<td>Trainer: ________________________________</td>
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<tr>
<td>User: _______________________________</td>
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</tbody>
</table>

Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.18-2017, and ANSI A10.32-2012 standards for fall protection. This product has been tested in compliance with the requirements of ANSI/ASSE Z359.7. Testing only covers hardware and does not extend to the anchorage or substrate to which this product is attached. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

Worker Classifications

Qualified Person: A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems.

Competent Person: A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards.

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.
Product Specific Applications

**WARNING** Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.

**Personal Fall Arrest:** Beamer 2000 may be used to support a MAXIMUM 1 personal fall arrest system (PFAS) for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6’, or up to 12’ if used in combination with equipment explicitly certified for such use. Applicable D-ring: Dorsal.

**Restraint:** Beamer 2000 may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

**Rescue/Confined Space:** Beamer 2000 may be used in Rescue/Confined Space applications. Rescue systems function to safely recover a worker from a confined location or after exposed to a fall. There are various configurations of Rescue systems depending on the type of rescue. Structure must withstand loads applied in the directions permitted by the system of at least 3,000 lbs. No free fall is permitted. Applicable D-rings: Dorsal, Chest, Shoulder.

**Limitations**

**Fall Clearance:** There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 2’ safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch and all other applicable factors.

*Diagram shown is an example fall clearance calculation ONLY.*

**Swing Falls:** Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.

**For all applications:** worker weight capacity range (including all clothing, tools, and equipment) is 130-420 lbs.

Fall clearance calculation shown based on standing worker falling directly in-line with anchor point. Always consider potential swing fall and other hazards when calculating fall clearance.

**Eliminate Swing Fall whenever possible!** If Swing Fall exists, always account for additional fall clearance.
Components and Specifications

Type A anchorage connector.

Minimum permitted service temperature: -30° F.

5,000 lb. MBS (minimum breaking strength).

Materials:
- High Strength Bar: Aluminum.
- Clamp (Adjustable and Fixed): Bronze manganese, or zinc-plated steel.
- D-ring: Zinc-plated steel.
- Internal Springs: Stainless steel.

Compatibility: When making connections with Beamer 2000, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with Beamer 2000 by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

- Connector closed and locked to D-ring. **OK.**
- Connector directly to integral lanyard. **NO.**
- Connector directly to webbing. **NO.**
- Application that places load on gate. **NO.**
- Connector directly to horizontal lifeline. **NO.**

- Two or more snap hooks or carabiners connected to each other. **NO.**
- Two connectors to same D-ring. **NO.**
- Incompatible or irregular application, which may increase risk of roll-out. **NO.**
Installation and Use

Compatible beam flange thickness: .5” - 1.25”.

Part # 00101 fits flange widths from 3.5” to 14”.
Part # 00103 fits flange widths from 6” to 16”.

Prior to installation, plan your system:

1. Beamer 2000 is an adjustable anchorage connector, and is designed for use both overhead and at foot level. If used below the harness dorsal D-ring in Fall Arrest applications, ALWAYS account for increase in required fall clearance, and ALWAYS use PFAS equipment explicitly certified for extended free fall up to 12’.

2. Ensure that all PFAS equipment to be used in combination with Beamer Anchors is selected and deemed compatible by a Competent Person. Make considerations for eliminating or minimizing swing fall hazards.

3. Ensure selected “I” or “H” structural beam is capable of supporting minimum load of 5,000 lbs., is compatible with applicable Beamer Anchor, and adheres to the flange thickness and width requirements specified by this manual. For installation onto horizontal beams only. Never install on vertical beams. If unable to determine suitable installation location, consult jobsite Competent Person. The Beamer 2000 is rated for loading in any direction provided it is installed as prescribed.

4. Beamer Anchors MUST NOT be used as permanent anchorage connectors, or as components of a horizontal lifeline system. Do not use Beamer Anchors for rigging or suspension work.

Installation:

1. Hook Fixed Clamp over selected beam flange. Aluminum Bar MUST be positioned parallel with end of beam.

2. Compress lever on Adjustable Clamp and position Adjustable Clamp as tightly as possible against opposite side of beam flange. Beamer Anchor MUST be snug against beam flange and no possibility may exist for Beamer Anchor to detach from beam flange.

3. Release Adjustable Clamp lever and ensure it is fully locked onto High Strength Bar.

4. Attach complete and compatible PFAS to Beamer Anchor D-ring. Maximum 1 connection per Beamer Anchor. Extended free fall connecting device must be used if Beamer Anchor is located below harness dorsal D-ring.

WARNING
Images shown are for example only. Beamer Anchor MUST be installed so no risk exists for it to come off end of beam. Beam shown IS NOT acceptable for Beamer Anchor installation. Beam MUST possess physical barrier that will function to eliminate all risk of disengagement.
Maintenance, Cleaning, and Storage

If Beamer 2000 fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair. Field serviceability testing is not required, and should not be done by the end user.

Cleaning after use is important for maintaining the safety and longevity of Beamer 2000. Remove all dirt, corrosives, and contaminants from Beamer 2000 before and after each use. If Beamer 2000 cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Beamer 2000 with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect Beamer 2000 for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels. IMMEDIATELY remove Beamer 2000 from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 12 months, a Competent Person other than the user must inspect Beamer 2000. Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.

During inspection, consider all applications and hazards Beamer 2000 have been subjected to.

Inspection Log

Date of First Use: __________________.

Product lifetime is indefinite, as long as product passes all inspection requirements. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 12 months. Competent Person to inspect and initial.

This inspection log must be specific to one Beamer 2000. Separate inspection logs must be used for each Beamer 2000. All inspection records must be made visible and available to all users at all times.

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Do not alter equipment. Do not misuse equipment.

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Guardian Fall Protection  6305 S. 231st St., Kent, WA 98032

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MADE IN TAIWAN

Inspection Grid:
Inspect prior to each use. Competent Person must inspect and record at least every 12 months.

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ANSI Z359.18-17, ANSI A10.32-12, OSHA 1910, and OSHA 1926 Subpart M.
Type A anchorage connector.
Maximum 1 connection per Beamer Anchor.
Capacity range: 130 - 420 lbs.
5,000 lb. MBS (minimum breaking strength).
Minimum service temperature: -30º F.
Always use with compatible equipment, possibly including special lanyard for tie-off at foot level.
MAKE ONLY COMPATIBLE CONNECTIONS.
FOR USE ON STRUCTURAL STEEL I AND H BEAMS ONLY.
Adjust Beamer Anchor at every junction or flange dimension change.

*Serial # and date of manufacture engraved on Beamer Anchor High Strength Bar.
# Instruction Manual

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Read and understand these instructions before using equipment!

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<td>Product Specific Applications</td>
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<td>Labels</td>
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Introduction

Thank you for purchasing a Guardian Fall Protection Beamer Trolley Anchor. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.

This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the Beamer Trolley Anchor, and all fall safety equipment used in combination with the Beamer Trolley Anchor.

Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.18-2017, and ANSI A10.32-2012 standards for fall protection. This product has been tested in compliance with the requirements of ANSI/ASSE Z359.7. Testing only covers hardware and does not extend to the anchorage or substrate to which this product is attached. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

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It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.

Product Specific Applications

**Personal Fall Arrest:** Beamer Trolley Anchor may be used to support a MAXIMUM 1 PFAS for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6’, or up to 12’ if used in combination with equipment explicitly certified for such use. Applicable D-ring: Dorsal.
Restraint: Beamer Trolley Anchor may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-420 lbs.

Limitations

Fall Clearance: There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 3’ safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch, and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY.

Swing Falls: Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.

Compatibility: When making connections with Beamer Trolley Anchor, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with Beamer Trolley Anchor by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

*Eliminate Swing Fall whenever possible! If Swing Fall exists, always account for additional fall clearance.
Correct Anchorage Positioning:

This chart details allowable working zones required to reduce risk of swing falls and improper side loading. ALWAYS adhere to information specified by chart.

<table>
<thead>
<tr>
<th>Anchor Distance From Leading Edge (Y)</th>
<th>Working Distance Along Roof Edge (Either Direction) (X)</th>
<th>Working Angle From Perpendicular (Ø)</th>
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For example, if the anchorage connector is 6’ from the leading edge (Y), the working distance (X) is 8’ in each direction from the perpendicular, which translates to a 53° working angle.

Components and Specifications

Type A anchorage connector.

Minimum permitted service temperature: -30° F.

5,000 lb. MBS (minimum breaking strength).

Materials: Stainless steel, aluminum, nickel plated steel, and polyester.
Installation and Use

Compatible beam flange width: 3” - 10”.

Maximum beam flange thickness: 9/10”.

Prior to installation:

1. Ensure all PFAS equipment is selected and deemed compatible with Beamer Trolley Anchor by a Competent Person. Make considerations for eliminating or minimizing swing fall hazards.

2. Determine compatible installation location. Compatible with I and H beams with minimum 5,000 lb. breaking strength only. For overhead use only.

3. Ensure selected beam is free of any debris, rust, cracking, deformation, hazardous materials, or any other condition that may cause Beamer Trolley Anchor to slip or detach. Beam must always be flat/positioned so it has no slope; installation onto sloped beam may result in hazardous sliding or swing fall in the event of a fall. Never install onto tapered beam; doing so may result in point-loading on rollers.

4. If unable to determine suitable installation location, consult jobsite Competent Person.

5. Beamer Trolley Anchor MUST NOT be used as permanent anchorage connector, or as component of a horizontal lifeline system. Do not use Beamer Trolley Anchor for rigging or suspension work. The Beamer Trolley Anchor is rated for loading in any direction provided it is installed as prescribed.

Installation:

1. Unscrew Safety Locks and open Beamer Trolley Anchor to its maximum adjustment.

2. Compress Clamp Toggles, place Beamer Trolley Anchor over selected beam, and adjust to fit beam. Ensure Beamer Trolley Anchor D-ring is aligned with center of beam.

3. Tighten Safety Locks until snug, and ensure Clamp Toggles will not compress.

4. Beam Rollers must sit on a clean, debris free surface to operate properly. Prior to work, clean beam if necessary. Ensure End Screw Caps are snug.

5. Attach to Beamer Trolley Anchor with complete and compatible PFAS. Maximum 1 connection.

WARNING

Images shown are for example only. Beamer Trolley Anchor MUST be installed so no risk exists for it to come off end of beam. Beam shown IS NOT acceptable for Beamer Anchor installation. Beam MUST possess physical barrier that will function to eliminate all risk of disengagement.
Maintenance, Cleaning, and Storage

If Beamer Trolley Anchor fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair. Field serviceability testing is not required, and should not be done by the end user.

Cleaning after use is important for maintaining the safety and longevity of Beamer Trolley Anchor. Remove all dirt, corrosives, and contaminants from Beamer Trolley Anchor before and after each use. If Beamer Trolley Anchor cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Beamer Trolley Anchor with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect Beamer Trolley Anchor for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels. IMMEDIATELY remove Beamer Trolley Anchor from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 6 months, a Competent Person other than the user must inspect Beamer Trolley Anchor. Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.

During inspection, consider all applications and hazards Beamer Trolley Anchor have been subjected to.

Inspection Log

Date of First Use: __________________.

Product lifetime is indefinite as long as it passes pre-use and Competent Person inspections. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and initial.

This inspection log must be specific to one Beamer Trolley Anchor. Separate inspection logs must be used for each Beamer Trolley Anchor. All inspection records must be made visible and available to all users at all times.

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If equipment fails inspection IMMEDIATELY REMOVE FROM SERVICE.
Safety Information

Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person’s judgment or knowledge of federal or state standards.

WARNING

Do not alter equipment. Do not misuse equipment.

Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner. Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a Competent Person.

Unless explicitly stated otherwise, the maximum allowable free fall distance for lanyards must not exceed 6’. No free fall allowed for non-LE SRLs. Class A SRLs must arrest falls within 24”; Class B SRLs must arrest falls within 54”.

Harnesses and connectors selected must be compliant with manufacturer’s instructions, and must be of compatible size and configuration. Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and carabiners must be self-locking and self-closing, and must never be connected to each other.

A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user’s ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.
Beamer Trolley Anchor
Part #: 00215

Prior to use, read and understand all manufacturer’s instructions provided with equipment at time of shipment.

Compliant with ANSI Z359.18-17, ANSI A10.32-12, OSHA 1910, and OSHA 1926 Subpart M.

Type A anchorage connector.

Material: Aluminum, stainless steel, and powder-coated steel.

Worker capacity: 130-420 lbs. (including all equipment).

Maximum 1 connection.

5,000 lb. MBS (minimum breaking strength).

Avoid contact with hazards, including, but not limited to, heat, electricity, chemicals, and sharp or abrasive edges and surfaces.

Minimum service temperature: -30º F.

MAKE ONLY COMPATIBLE CONNECTIONS.

FOR USE ON STRUCTURAL STEEL I AND H BEAMS ONLY. NEVER INSTALL ON TAPERED OR SLOPED BEAMS.

INSPECTION GRID
User must inspect prior to EACH use. Competent Person must complete formal inspection every 6 months. Competent Person to inspect and initial.

Date of First Use:

Product lifetime is indefinite as long as equipment passes pre-use and Competent Person inspections.

If equipment fails inspection, IMMEDIATELY REMOVE FROM SERVICE.

90083 (Rev. D) / Made in China

DO NOT REMOVE LABELS
# Product Name: Beamer BBC

Part #: 00125; 00127; 00130; 00135

## Instruction Manual

**Do not throw away these instructions!**
**Read and understand these instructions before using equipment!**

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<td>Labels</td>
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Introduction

Thank you for purchasing a Guardian Fall Protection Beamer BBC. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.

This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the Beamer BBC, and all fall safety equipment used in combination with the Beamer BBC.

User Information

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<th>Date of First Use:</th>
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<td>User:</td>
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Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.18-2017, and ANSI A10.32-2012 standards for fall protection. This product has been tested in compliance with the requirements of ANSI/ASSE Z359.7. Testing only covers hardware and does not extend to the anchorage or substrate to which this product is attached. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

Worker Classifications

Understand the following definitions of those who work near or who may be exposed to fall hazards.

Qualified Person: A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems.

Competent Person: A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards.

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.
Product Specific Applications

**WARNING**
Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.

**Personal Fall Arrest:** Beamer BBC may be used to support a **MAXIMUM 1** personal fall arrest system (PFAS) for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6', or up to 12' if used in combination with equipment explicitly certified for such use. Applicable D-ring: Dorsal.

**Restraint:** Beamer BBC may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

**Rescue/Confined Space:** Beamer BBC may be used in Rescue/Confined Space applications. Rescue systems function to safely recover a worker from a confined location or after exposed to a fall. There are various configurations of Rescue systems depending on the type of rescue. Structure must withstand loads applied in the directions permitted by the system of at least 3,000 lbs. No free fall is permitted. Applicable D-rings: Dorsal, Chest, Shoulder.

*For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-420 lbs.*

**Limitations**

**Fall Clearance:** There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a **MINIMUM 3’** safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch and all other applicable factors.

*Diagram shown is an example fall clearance calculation ONLY.*

**Swing Falls:** Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.

*Eliminate Swing Fall whenever possible! If Swing Fall exists, always account for additional fall clearance.*
Components and Specifications

Type A anchorage connector.

Minimum permitted service temperature: -30° F.

5,000 lb. MBS (minimum breaking strength).


<table>
<thead>
<tr>
<th>Part #</th>
<th>Weight</th>
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<tr>
<td>00125</td>
<td>4 lbs.</td>
<td>Beamer BBC - Flange Size: 8” - 18”. Flange Thickness: 2½” Maximum.</td>
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<tr>
<td>00127</td>
<td>4 lbs.</td>
<td>Beamer BBC - Flange Size: 8” - 18”. Flange Thickness: 2½” - 4”.</td>
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<td>00135</td>
<td>5 lbs.</td>
<td>Beamer BBC - Flange Size: 12” - 24”. Flange Thickness: 2½” - 4”.</td>
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Installation and Use

Part # 00125: Maximum flange width: 8” - 18”. Maximum flange thickness: 2.5”.
Part # 00127: Maximum flange width: 8” - 18”. Maximum flange thickness: 2.5” - 4”.
Part # 00130: Maximum flange width: 12” - 24”. Maximum flange thickness: 2.5”.
Part # 00135: Maximum flange width: 12” - 24”. Maximum flange thickness: 2.5” - 4”.

Prior to installation, plan your system:

1. The Beamer BBC is an adjustable anchorage connector, and is designed for use either overhead or at foot level. If used below the harness dorsal D-ring in fall arrest applications, ALWAYS account for increase in required fall clearance, and ALWAYS use PFAS equipment explicitly certified for extended free fall up to 12’.

2. Ensure that all PFAS equipment to be used in combination with Beamer BBC Anchors is selected and deemed compatible by a Competent Person. Make considerations for eliminating or minimizing swing fall hazards.

3. Ensure selected “I” or “H” structural beam is capable of supporting minimum load of 5,000 lbs., is compatible with applicable Beamer Anchor, and adheres to the flange thickness and width requirements specified by this instruction manual. For installation onto horizontal beams only. Never install on vertical beams. If unable to determine suitable installation location, consult jobsite Competent Person. The Beamer BBC is rated for loading in any direction provided it is installed as prescribed.

4. Beamer Anchor MUST NOT be used as a permanent anchorage connector, or as a component of a horizontal lifeline system.

Installation and Use:

1. Hook Fixed Clamp over selected beam flange. Aluminum Bar MUST be positioned perpendicular to beam.

2. Position Adjustable Clamp as tightly as possible against opposite side of beam flange. Beamer BBC Anchor MUST be snug against beam flange and no possibility may exist for Beamer BBC Anchor to detach from beam flange.

3. Insert Locking Pin into closest possible hole on Aluminum Bar and ensure Beamer BBC Anchor is fully locked in place.

4. Attach complete and compatible PFAS to Beamer BBC Anchor Connection Point. Extended free fall connecting device must be used if Beamer Anchor is located below harness dorsal D-ring.

**WARNING**

Beamer BBC Anchor MUST be installed so no risk exists for it to come off end of beam. Beam MUST possess physical barrier that functions to eliminate all risk of disengagement.
Maintenance, Cleaning, and Storage

If Beamer BBC fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair. Field serviceability testing is not required, and should not be done by the end user.

Cleaning after use is important for maintaining the safety and longevity of Beamer BBC. Remove all dirt, corrosives, and contaminants from Beamer BBC before and after each use. If Beamer BBC cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Beamer BBC with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect Beamer BBC for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels. IMMEDIATELY remove Beamer BBC from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 6 months, a Competent Person other than the user must inspect Beamer BBC. Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.

During inspection, consider all applications and hazards Beamer BBC have been subjected to.

Inspection Log

Date of First Use: ________________.

Product lifetime is indefinite, as long as product passes all inspection requirements. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and initial.

This inspection log must be specific to one Beamer BBC. Separate inspection logs must be used for each Beamer BBC. All inspection records must be made visible and available to all users at all times.

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If equipment fails inspection IMMEDIATELY REMOVE FROM SERVICE.
Safety Information

Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person’s judgment or knowledge of federal or state standards.

**WARNING**

Do not alter equipment. Do not misuse equipment.

Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner. Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a Competent Person.

Unless explicitly stated otherwise, the maximum allowable free fall distance for lanyards must not exceed 6’. No free fall allowed for non-LE SRLs. Class A SRLs must arrest falls within 24”; Class B SRLs must arrest falls within 54”.

Harnesses and connectors selected must be compliant with manufacturer’s instructions, and must be of compatible size and configuration. Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and carabiners must be self-locking and self-closing, and must never be connected to each other.

A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user’s ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.
WARNING! READ CAREFULLY BEFORE USING

MANUFACTURER’S INSTRUCTIONS INCLUDED AT TIME OF SHIPMENT MUST BE FOLLOWED AT ALL TIMES FOR PROPER USE, MAINTENANCE, AND INSPECTION. ALTERATION, ABUSE, OR MISUSE OF THIS PRODUCT MAY RESULT IN SERIOUS INJURY OR DEATH. DO NOT REMOVE LABELS.

MADE IN USA

Inspection Grid:
Inspect prior to each use. Competent Person must inspect and record at least every 6 months.

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ANSI Z359.18-17, ANSI A10.32-12, OSHA 1910, and OSHA 1926 Subpart M.
Type A anchorage connector.
Maximum 1 connection per Beamer Anchor.
Capacity range: 130 - 420 lbs.
5,000 lb. MBS (minimum breaking strength).
Minimum service temperature: -30º F.
Always use with compatible equipment, possibly including special lanyard for tie-off at foot level.
MAKE ONLY COMPATIBLE CONNECTIONS.
FOR USE ON STRUCTURAL STEEL I AND H BEAMS ONLY.
Adjust Beamer Anchor at every junction or flange dimension change.

*Serial # and date of manufacture engraved on Beamer Anchor Aluminum Bar.
IMPORTANT!!!
ALL PERSONS USING THIS EQUIPMENT MUST READ AND UNDERSTAND ALL INSTRUCTIONS. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH. USERS SHOULD BE FAMILIAR WITH PERTINENT REGULATIONS GOVERNING THIS EQUIPMENT. ALL INDIVIDUALS WHO USE THIS PRODUCT MUST BE PROPERLY INSTRUCTED ON HOW TO USE THIS DEVICE.

VERTICAL / FIXED BEAM CLAMP
I-BEAM ANCHOR
ADJUSTABLE FROM 4”-14"
Model # 00142
Read This Instruction Manual Carefully Before Using This Equipment.
User Instructions must always be available to the user and are not to be removed except by the user of this equipment. For proper use, see supervisor, User Instructions, or contact the manufacturer.

⚠️ WARNING ⚠️
Compliant fall protection and emergency rescue systems help prevent serious injury during fall arrest. Users and purchasers of this equipment must read and understand the User Instructions provided for correct use and care of this product. All users of this equipment must understand the instructions, operation, limitations and consequences of improper use of this equipment and be properly trained prior to use per OSHA 29 CFR 1910.66 and 1926.503 or applicable local standards. Misuse or failure to follow warnings and instructions may result in serious personal injury or death.

PURPOSE
The 00142 is an anchorage connector designed to function as an interface between the anchorage and a fall protection, work positioning, rope access, or rescue system for the purpose of coupling the system to the anchorage. Any references to “anchorage connector” in this manual include, and apply to, the 00142.

USE INSTRUCTIONS
1. A user must be of sound mind and body to properly and safely use this equipment in normal and emergency situations. Users must have a physician ensure they are clear of any medical conditions that may affect the proper and safe use of this equipment in normal and emergency situations.
2. Before using a personal fall arrest system, user must be trained in accordance with the requirements of OSHA 29 CFR 1910.66 in the safe use of the system and its components.
3. Use only with ANSI/OSHA compliant personal fall arrest or restraint systems. The anchorage must have the strength capable of supporting a static load, applied in the directions permitted by the system, of at least 5,000-lbf (22kN) in the absence of certification.
4. The user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 8 kN (1800-lbf)
5. Use of this product must be approved by an Engineer or other qualified person to be compatible with any and all structural & operational characteristics of the selected installation location and system to be connected to this anchorage connector.
6. The anchorage connector must only be used for personal fall protection and not for lifting equipment.

USE LIMITATIONS: The anchorage connector shall not be used outside its limitations, or for any purpose other than that for which it is intended.
1. The anchorage connector is designed for single user, with a capacity range: 130 - 420 lbs including clothing, tools, etc.
2. The anchorage connector may only be loaded as shown in the LOADING CONDITIONS DIAGRAM.
3. The anchorage connector is designed to be used in temperatures ranging from -40°F to +130°F (-40°C to +54°C).
4. Do not expose the anchorage connector to chemicals or harsh solutions which may have a harmful effect.
5. Do not alter or modify this product in anyway.
6. Caution must be taken when using any component of a fall protection, work positioning, rope access, or rescue system near moving machinery, electrical hazards, sharp edges, or abrasive surfaces, as contact may cause equipment failure, personal injury, or death.
7. Do not use/install equipment without proper training by a “competent person” as defined by OSHA 29 CFR 1926.32(f).
8. Do not remove the labeling from this product.
9. Additional requirements and limitations may apply depending on anchorage type and fastening option utilized for installation. All placements must be approved by an engineer or other qualified person.
10. This anchorage connector should not be used as part of a horizontal lifeline system that has not been designed and or approved to be used with 5,000-lbf anchorage connectors.
11. The anchorage connector should only be used for personal fall protection and not for lifting equipment.

COMPATIBILITY LIMITATIONS
Anchorage connector must only be coupled to compatible connectors. OSHA 29 CFR 1926.502 prohibits snaphooks from being engaged to certain objects unless two requirements are met: it must be a locking type snaphook, and it must be “designed for” making such a connection. “Designed for” means that the manufacturer of the snaphook specifically designed the snaphook to be used to connect to the equipment listed. The following connections must be avoided, because they can result in rollout* when a nonlocking snaphook is used:
- Direct connection of a snaphook to horizontal lifeline.
- Two (or more) snaphooks connected to one D-ring.
- Two snaphooks connected to each other.
- A snaphook connected back on its integral lanyard.
- A snaphook connected to a webbing loop or webbing lanyard.
- Improper dimensions of the D-ring, rebar, or other connection point in relation to the snaphook dimensions that would allow the snaphook keeper to be depressed by a turning motion of the snaphook.

*Rollout: A process by which a snaphook or carabiner unintentionally disengages from another connector or object to which it is coupled. (ANSI Z359.1-2007)
PERFORMANCE:
Static Tensile Strength: 5000-lbf (22kN)
Maximum Capacity: Worker capacity range (including all clothing, tools, and equipment) of 130-420 lbs

DIMENSIONS:
Weight: 6.8-lbs
Beam Flange Width Range: 4”-14”
Beam Flange Thickness: .25” to 1.25”

REGULATORY COMPLIANCE:
ANSI Z359.1-2007, ANSI Z359.7-2011,
A10.32-2012, OSHA 1926.502, OSHA 1910.66,

COMPONENT MATERIALS:
Zinc Plated Steel
Stainless Steel
Aluminum

WARNING LABEL LOCATION

LOADING CONDITIONS DIAGRAM

*Note: Placement at or below a user’s working height requires integration of a compatible ANSI Z359.13 shock-absorbing lanyard that does not allow user to extend more than 6 feet (in any direction) from the anchorage connector before shock absorber is activated. Beam anchor must be attached to I-beam flange facing the user (top flange if above, bottom flange if below, etc.).
1. Press lock button and slide adjustable paw to widest position.

2. Fully loosen nut by turning counterclockwise.

3. Hook fixed paw on far side of I-beam flange.

4. Press lock button and slide adjustable paw to tightest notch to capture I-beam flange.
5. Pull back on adjustable paw to ensure it is in a locked position.

6. Hand tighten nut as much as possible by turning clockwise.

7. Use lever to tighten an extra 1/4 turn.

Refer to “NUT POSITIONS” diagram to ensure correct installation. If nut position is incorrect, repeat all steps ensuring lock button engages in tightest position during step 4.

**NUT POSITIONS**

**INCORRECT**

- NO GAP

**CORRECT**

- GAP

**INCORRECT**

- RED LINE

WARNING: Use of this product must be approved by an Engineer or other qualified person to be compatible with any and all structural & operational characteristics of the selected installation location and system to be connected to this anchorage connector.
**WARNING!!! SWING FALLS CAN OCCUR WHEN THE WORKER IS NOT DIRECTLY UNDER ANCHOR POINT.**

*Anchorage must be able to support 5,000-lbf (22kN). Installation location must be approved by a qualified person.*

*The user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 8 kN (1800-lbf)*

*All products subjected to fall arresting forces should be removed from service immediately!*

**MINIMUM CLEARANCE 3ft (1m)**
**MAINTENANCE, CLEANING AND STORAGE**

Cleaning periodically will prolong the life and proper functioning of the product. Frequency of cleaning should be determined by inspection and by severity of the environment. Clean with compressed air and/or a stiff brush using plain water or a mild soap and water solution. Do not use any corrosive chemicals that could damage the product. Wipe all surfaces with a clean dry cloth and hang to dry, or use compressed air. When not in use, store anchorage connectors in a cool, dry, clean environment, out of direct sunlight and free of corrosive or other degrading elements.

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### INSPECTION AND MAINTENANCE LOG

**MODEL NUMBER:**

**DATE OF MANUFACTURE:**

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**Inspection:**

Official periodic inspection must be made at least semi-annually. The inspection must be performed by a qualified person other than the intended user. If severe weather or conditions exist then inspections must be carried out more frequently. All inspection results must be logged in the space provided above. (It is recommended that the anchor device is marked with the date of the next or last inspection.)

1. Make sure all labeling is affixed to the unit.
2. Inspect anchoring system for signs of damage or wear.
3. Make sure the ring is free to swivel and pivot.
4. Insure button engages and disengages properly.
5. Record inspection results in the space provide above.

*If any damage that could affect the strength or operation of the device, or unsafe conditions are found, proper disposal is required. The anchorage connector must be rendered unusable and then properly discarded.*
Product Warranty, Limited Remedy and Limitation of Liability

WARRANTY: THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Equipment offered by Guardian Fall Protection is warranted against factory defects in workmanship and materials for a period of one year from date of purchase or first use by the original owner.

LIMITED REMEDY: Upon notice in writing, Guardian Fall Protection will repair or replace all defective items at Guardian Fall Protection's sole discretion. Guardian Fall Protection reserves the right to require that the defective item be returned to its plant for inspection before determining the appropriate course of action. Warranty does not cover equipment damage resulting from wear, abuse, damage in transit, failure to maintain the product or other damage beyond the control of Guardian Fall Protection. Guardian Fall Protection shall be the sole judge of product condition and warranty options. This warranty applies only to original purchaser and is the only warranty applicable to this product. Please contact Guardian Fall Protection technical service department for assistance.

LIMITATION OF LIABILITY: IN NO EVENT WILL GUARDIAN FALL PROTECTION BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.