

BEAMER TROLLEY ANCHOR

Part # 00215

Instruction Manual



Contents

2	Product Specific Applications
2	Applicable Safety Standards
2	For All Product Applications
2	Worker Qualifications
3	Compatibility
3	Limitations
3	Maintenance, Cleaning, and Storage
4	Specifications and Materials
5	Installation and Use
7	Safety Information
8	Labels
9	Diagrams
9	Inspection
10	Inspection Log

✗ Do not throw instructions away.

⚠ Read and understand instructions before using this equipment.

Product Specific Applications



May be used to support a MAXIMUM 1 direct **Personal Fall Arrest System (PFAS)** for use in Fall Arrest applications only when used in combination with an energy absorbing device rated to reduce fall arrest forces to no greater than 1,800 lb (8 kN). Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lb (22,2 kN). Maximum free fall is 6 ft (1,8 m) or up to 12' (3,7 m) if used in combination with equipment explicitly certified for such use. Beamer Trolley Anchor may be loaded in any direction, and is permitted for use as a component in a horizontal lifeline system.

D-ring: Dorsal.



May be used in **Travel Restraint** applications as an anchorage for the attachment of compatible equipment used during Restraint tasks. Restraint systems prevent a worker from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. No free fall is permitted. **D-rings: Dorsal, Chest, Side, Shoulder (pairs only).**



May be used in **Work Positioning** applications as an anchorage for the attachment of compatible equipment used during Work Positioning tasks. Work Positioning systems allow a worker to be supported while in suspension and work freely with both hands. No free fall is permitted. **D-rings: Side (pairs only).**



May be used in **Rescue/Confined Space** applications as an anchorage for the attachment of compatible equipment used during rescue/confined space tasks. 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. No free fall is permitted. **Applicable D-rings: Dorsal, Chest, Side, Shoulder (pairs only).**

Applicable Safety Standards

Meets or exceeds:

- **ANSI Z359.18-2017**
- **OSHA 1910.140**
- **OSHA 1926.502**

For All Product Applications

- **Maximum user weight (including all clothing, tools, and equipment) is:**

ANSI: 130 - 310 lb (59-141 kg)

OSHA: 100 - 420 lb (45-191 kg)

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/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 existing fall hazards.

Compatibility

When making connections, eliminate all possibility of roll-out. Roll-out occurs when interference between a connector and the attachment point causes the connector gate to unintentionally open and release.

All connections must be selected and deemed compatible with the harness by a Competent Person.

All connector gates must be self-closing, self-locking, and withstand a minimum load of 3,600 lb (16 kN).

See Diagram A on page 9.

Limitations

Fall Clearance: There must be sufficient clearance below the work surface to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 2 ft (0,6 m) safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch, free fall, and all other applicable factors.

See Guardian Fall Clearance Calculator:

<https://guardianfall.com/digital-resources/fall-clearance-calculator>

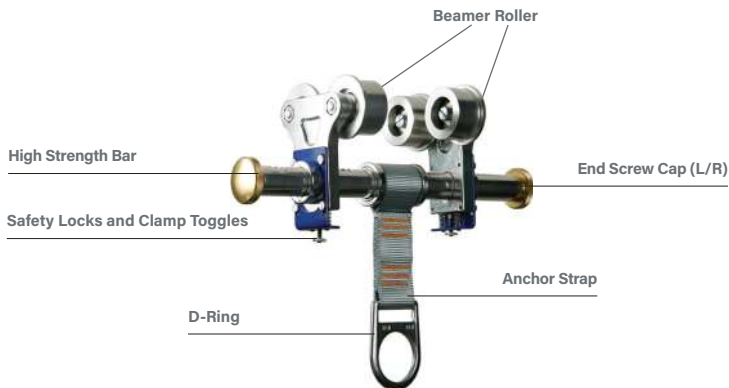
Swing Falls: Prior to installation or use, make considerations for eliminating or minimising all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase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

Maintenance, Cleaning, and Storage

Cleaning after use is important for maintaining the safety and longevity of the Beamer Trolley Anchor. Remove all dirt, corrosives, and contaminants from the harness 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 or during transport, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Specifications & Materials



Specifications

- **Type A Anchorage Connector**
- **Minimum Breaking Strength:**
5,000 lb (22,2 kN)
- **Permitted Service Temperature Range:**
-30° to 130° F (-34° C to 54° C)

Materials

Aluminum, stainless steel, nickel plated steel and polyester..

Part #	Description
00215	Beamer Trolley Anchor

Installation and Use

Minimum Concrete Substrate Requirements:

- **Compatible beam flange width: 3" - 10"**
- **Maximum beam flange thickness: 9/10"**

Prior to Installation:

- 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.
- Determine compatible installation location. Compatible with I and H beams with minimum 5,000 lb. breaking strength only.
- 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.
- If unable to determine suitable installation location, consult jobsite Competent Person.
- 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:

■ Step 1

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

■ Step 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.

■ Step 3

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

■ Step 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.

■ Step 5

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

Examples :

▲ WARNING! Images shown on page 6 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.

Examples:

⚠ WARNING! Example beams shown ONLY.



⚠ WARNING! Beam MUST incorporate an obstruction at beam ends that eliminates all possibility for Beamer Trolley Anchor to disconnect from beam.



Safety Information

⚠ WARNING! 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.

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

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

Do not alter equipment.

Workplace conditions, including, but not limited to, corrosive chemicals, electrical shock, sharp objects or edges, machinery, flame/high heat, abrasive or uneven surfaces, UV exposure, and severe or prolonged weather conditions, must be assessed by a Competent Person (CP) before fall protection equipment is selected. The presence of any/all of these conditions may have negative effects on product performance or service lifetime.

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 CP. 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 CP, and used in a compliant manner. The system must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a CP.

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.

See Diagram A on page 9.

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 to minimise post fall suspension time. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons (APs) to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a CP. Training must include the ability to recognise fall hazards, minimise 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 safely withstand 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

1

90083 Rev. E - 1



GUARDIAN
Beamer Trolley Anchor

Part # 00215 Serial #
DOM: Lot #

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

Compliant with ANSI Z359.18-17, OSHA 1910.140, and OSHA 1926.502.

Type A anchorage connector.

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

Worker capacity: 100-420 lbs. (including all equipment).

Maximum 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: -30°F.

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

1

Guardian

Beamer Trolley Anchor

Part# 00215 Serial #

DOM: Lot.

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

Compliant with ANSI Z359.18-17, OSHA 1910.140, and OSHA 1926.502.

Type A anchorage connector.

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

Worker capacity: 100-420 lbs. (Including all equipment).

Minimum Breaking Strength (MBS) 5,000 lb (22,2 kN)

Minimum Service Temperature: -30°F (-34°C)

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

90083 Rev. E-1

2

90083 Rev. E - 2

INSPECTION GRID

User must inspect prior to EACH use. Competent Person must complete formal inspection every 12 months. Competent Person to inspect and initial.

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

Initials: Date:

Date of First Use:

If equipment fails inspection, IMMEDIATELY REMOVE FROM SERVICE

Made in China

DO NOT REMOVE LABELS

2

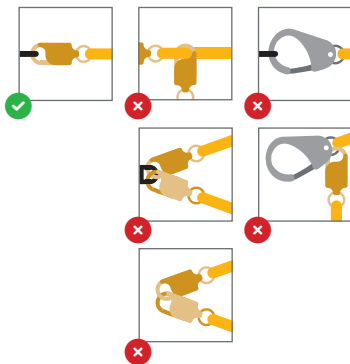
INSPECTION GRID

User must inspect prior to EACH use. Competent Person must complete formal inspection every 12 months. Competent Person to inspect and initial.

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

If equipment fails inspection, IMMEDIATELY REMOVE FROM SERVICE

Diagram A - Connections



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.

See Inspection Log on page 10

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

[illegible]



Notes



Guardian
607 East Sam Houston Parkway South, Suite 800
Pasadena, TX 77503
USA

+1 (800) 466 6385
customer.service@guardianfall.com

guardianfall.com

Guardian® and its logo are registered trademarks of Pure Safety Group Inc. dba Guardian Fall in the US and other countries.