

BIG BOSS LANYARD

Parts #: 21300; 21301; 21302; 21303; 21310

Instruction Manual



- ✗ Do not throw instructions away.
- ⚠ Read and understand instructions before using this equipment.

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.

Applicable Safety Standards

Meets or exceeds:

- **ANSI Z359.13**
- **OSHA 1910.140**
- **OSHA 1926.502**

Weight Capacity

- Maximum user weight range (including all clothing, tools, and equipment):
130-420 lb (59-190 kg)

Product Specific Applications

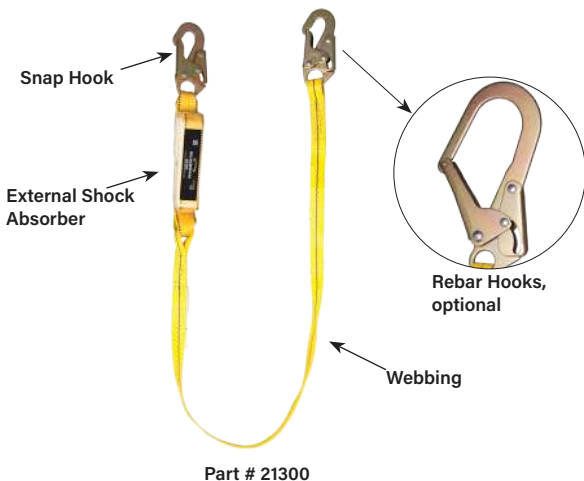


Fall Arrest: May be used to support a **MAXIMUM 1 direct Personal Fall Arrest System (PFAS)** for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lb (22,2 kN) or maintain a 2:1 safety factor. Maximum free fall is up to 12 ft (3,6 m) for workers from 130-310 lb (59-140 kg), and up to 6 ft (1,8 m) for workers from 311-420 lb (141-190 kg). Applicable D-rings: **Dorsal**.



Restraint: 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 lb (4,4 kN). 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 (pairs only)**.

Components and Specifications



Materials

Hooks: Galvanized steel

Lanyard: Polyester

Part#	Length	Description
21300	6 ft (1,8 m)	Single Leg w/ Steel Snap Hooks & Extended Free Fall Shock Pack
21301	6 ft (1,8 m)	Single Leg w/ Steel Snap Hook Rebar Hooks & Extended Free Fall Shock Pack
21302	6 ft (1,8 m)	Double Leg w/ Steel Snap Hooks & Extended Free Fall Shock Pack
21303	6 ft (1,8 m)	Double Leg w/ Steel Snap Hook & Rebar Hooks & Extended Free Fall Shock Pack
21310	6 ft (1,8 m)	Double Leg w/ Steel Snap Hook & Rebar Hooks, 18 in Non-Shock Extension, & Extended Free Fall Shock Pack

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 Diagram A on page 8.

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.

Compatibility

When making connections to the Big Boss Lanyard, 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 Big Boss Lanyard 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 8.

Maintenance, Cleaning, and Storage

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

Installation and Use

⚠ NOTE Prior to use, inspect Big Boss Lanyard and all PFAS equipment to be used in combination with Big Boss Lanyard.

⚠ NOTE Ensure that all connectors and all other components of the PFAS are compatible with Big Boss Lanyard, and are selected by a Competent Person. The selected full-body safety harness **MUST** be of proper size, and **MUST** be fitted snugly, but still allow for a full range of movement.

⚠ NOTE Make considerations for eliminating or minimizing swing fall hazards.

■ Step 1

Ensure structure to which the anchorage connector is attached is capable of withstanding a MINIMUM load required by the application in which the Big Boss Lanyard is to be used.

■ Step 2

Attach snap hook adjacent to shock absorber to applicable harness D-ring. For lanyard with two, integrally connected legs, only attach central snap hook with the shock absorber end to the applicable harness D-ring. For Fall Arrest applications, snap hook may **ONLY** be connected to harness dorsal D-ring.

■ Step 3

Attach remaining snap hook end of lanyard to compatible anchorage connector. Rebar Hooks **MUST ONLY** be connected to structural rebar or other compatibly sized structural anchor. Ensure that all connectors are self-closing and self-locking, and that there is no risk of roll-out. **ALWAYS** maintain 100% tie-off.



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 or misuse 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 8.

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 90033 Rev. F-1

GUARDIAN
guardianfall.com

**Big Boss
High-Capacity
External Shock-
Absorbing Lanyard**

Attach shock absorber end to harness dorsal D-ring.

ANSI Z359.13, OSHA 1910.140 & OSHA 1926.502

Capacity (incl. tools):
130-310 lb (59-140 kg) up to 12 ft (3,6 m) free fall.
311-420 lb (141-190 kg) up to 6 ft (1,8 m) free fall.

Maximum Elongation:
60 in (1,5 m)

Materials: Polyester, nylon, & galvanized steel or aluminum

DO NOT REMOVE LABELS
- 2 90033 Rev. F-2

User must inspect before each use. Competent Person to inspect and initial at least every 12 months.

Product lifetime is indefinite, provided product passes all inspection requirements.

For use only with other OSHA and ANSI compliant equipment as part of a personal fall arrest system.

Date of First Use:

Inspect Date Initials

Remove from service if subjected to fall.

Make only safe and compatible connections.
- 3 90033 Rev. F-3

WARNING!

Follow manufacturer's instructions provided with this lanyard at time of shipment. Read and understand all instructions before using.

Improper use of this product could result in serious injury or death. Avoid contact with sharp edges and abrasive surfaces that can cut or damage the webbing or components.

Remove from service if subjected to fall.

Make only safe and compatible connections.
- 1 Guardian Big Boss High-Capacity Shock-Absorbing Lanyard

Attach shock absorber end to harness dorsal D-ring.

ANSI Z359.13, OSHA 1910.140, and OSHA 1926.502 Capacity (incl. tools): 130-310 lb (59-140 kg) up to 12 ft (3,6 m) free fall. 311-420 lb (141-190 kg) up to 6 ft (1,8 m) free fall.

Maximum Elongation: 60 in (1,5 m)

Materials: Polyester, nylon, & galvanized steel or aluminum.

DO NOT REMOVE LABELS

90033 Rev F-1
- 2 User must inspect before each use. Competent Person to inspect and initial at least every 12 months.

Product lifetime is indefinite, as long as product passes all inspection requirements.

For use only with other OSHA and ANSI compliant equipment as part of a personal fall arrest system.

Date of First Use. Inspection Log. 90033 Rev F-2
- 3 **WARNING!**

Follow manufacturer's instructions provided with this lanyard at time of shipment from manufacturer. Fully read and understand these instructions before using.

Improper use of this product could result in serious injury or death. Avoid contact with sharp edges and abrasive surfaces that can cut or damage the webbing or components. Remove from service if subjected to fall.

Make only safe and compatible connections.

90033 Rev. F-3
- 4



GUARDIAN
BIG BOSS
High-Capacity External Shock-Absorbing Lanyard

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90034 Rev. C-1
- 5 **Warning: User Capacity Range 130-310 lb**

12 ft **1,350 lb**

Maximum Free Fall Average Arresting Force

Maximum Deployment Distance 60 in
Forces may increase when cold and/or wet

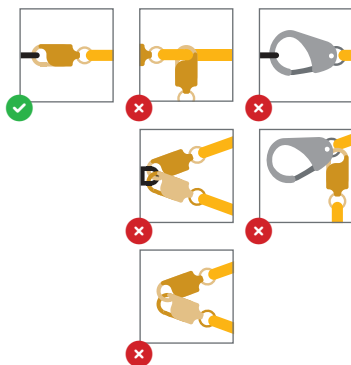
Read Instructions Before Use

90034 Rev C-2
- 4 Guardian Big Boss High-Capacity External Shock-Absorbing Lanyard 90034 Rev C-1
- 5 **WARNING: User Capacity Range 130-310lb**
12 ft Maximum Free Fall.
1,350 lbs Average Arresting Force.
Maximum Deployment Distance 60"
Forces may increase when cold and/or wet

Read Instructions Before Use

90034 Rev C-2

Diagram A - Connections



Inspection

Prior to EACH use, inspect the Big Boss Lanyard, lifeline, and connection points for signs of deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint build-up, excessive heating, alteration, broken stitching, fraying, and missing or illegible labels. IMMEDIATELY remove Big Boss Lanyard from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that 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.

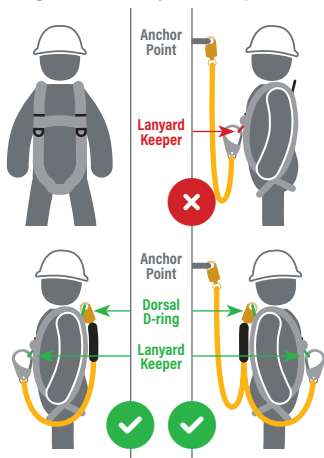
See Inspection Log on page 9.

CP other than user must complete thorough inspection at least every 12 months or every 3 months if used in offshore or corrosive environments. In addition, local regulations in regard to inspection must be followed. CP to inspect and initial. This inspection log must be specific to one Big Boss Lanyard. Separate inspection logs must be used for each Big Boss Lanyard. All inspection records must be made visible and available to all users at all times. If equipment fails thorough inspection it must be immediately from service and discarded or repaired.

During inspection, consider all applications and hazards the Big Boss Lanyard has been subjected to. Ensure that device certification is current before use, this device must only be repaired by a Competent Person authorized by the manufacturer.

User must inspect prior to EACH use, if equipment fails inspection it must be immediately removed from service and safely discarded or repaired.

Diagram B - Lanyard Keepers





Inspection Log

Serial No:	Date of First Use:
Model #:	User:

[illegible]



Notes



Notes

USA	UK	CANADA
607 East Sam Houston Parkway South Suite 800 Pasadena, TX 77503 800 466 6385 customer.service@guardianfall.com	New Road, Sheerness Kent ME12 1PZ United Kingdom +44 (0) 1795 580 333 enquiries@guardianfall.com	580 Notre Dame Avenue, Unit 16 Sudbury, ON P3C 5L2 800 466 6385 customer.service@guardianfall.com

WARRANTY: Guardian warrants to Buyer that all products are free from defects in material, workmanship, and design (if a Supplier-responsible design), however this warranty does not cover conditions resulting from normal wear and tear, neglect, abuse, accident or otherwise. Guardian's obligations under this warranty apply for the lifetime of the products and are limited to the replacement of product only. This warranty is not transferable to any other Guardian service and does not apply to product that is resold after having been put into service. No other person, firm, entity, or the like is authorized to assume or assign for Guardian any other liability in connection with the sale or use of Guardian's products. Furthermore, this warranty is void if any product is changed or altered in any way, or if the product is used in a manner other than for which it is intended. There are no implied warranties of merchantability or fitness for a particular purpose, which are specifically disclaimed.