

GUARDIAN

FALL PROTECTION



Product Name: Remote Anchor Connector

Part #: 01840

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 Remote Anchor Connector. 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 Remote Anchor Connector, and all fall safety equipment used in combination with the Remote Anchor Connector.

User Information	
Date of First Use:	_____
Serial #:	_____
Trainer:	_____
User:	_____

Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M and OSHA 1910 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state regulations if applicable. 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.
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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: The Aluminum Hook component of the Remote Anchor Connector may be used in Personal Fall Arrest applications to support a MAXIMUM 1 Personal Fall Arrest System (PFAS). Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6'. MAXIMUM combined length of fall arrester, lanyard extension, and D-ring is 36". Applicable D-ring: Dorsal.

For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-310 lbs.

The Guardian Fall Protection Remote Anchor Connector IS NOT a complete PFAS. It is used ONLY to assist in the connection of the Aluminum Hook anchorage connector component (that must be attached to an independent PFAS) to an approved anchor point not otherwise reachable by the worker. Its purpose is to help facilitate the protection of the first worker up during their ascent.

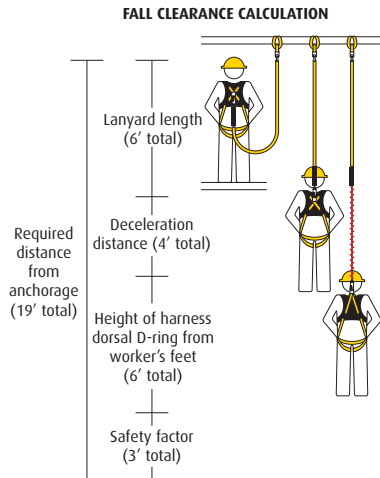
After it is attached to the anchor, the Aluminum Hook anchorage connector component of the Remote Anchor Connector may be used as component of a complete and compatible PFAS. The remaining PFAS components include some or all of the following: a compatible vertical lifeline (VLL) or self-retracting lifeline (SRL), fall arrester, extension lanyard, and full-body safety harness with dorsal D-ring. All PFAS equipment must be selected and deemed compatible with the Remote Anchor Connector by a Competent Person.

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.



Compatibility: When making connections with Remote Anchor Connector, 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 Remote Anchor Connector 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 to integral lanyard. **NO.**

Two or more snap hooks or carabiners connected to each other. **NO.**



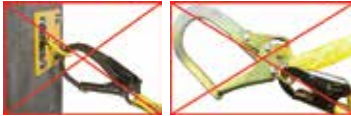
Connector directly to webbing. **NO.**

Two connectors to same D-ring. **NO.**



Application that places load on gate. **NO.**

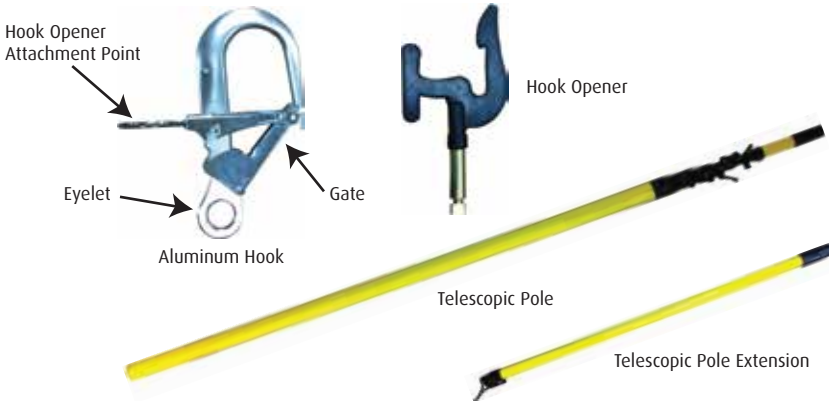
Incompatible or irregular application, which may increase risk of roll-out. **NO.**



Connector directly to horizontal lifeline. **NO.**

Components and Specifications

Materials: PVC, high-strength ABS, stainless steel, aluminum.



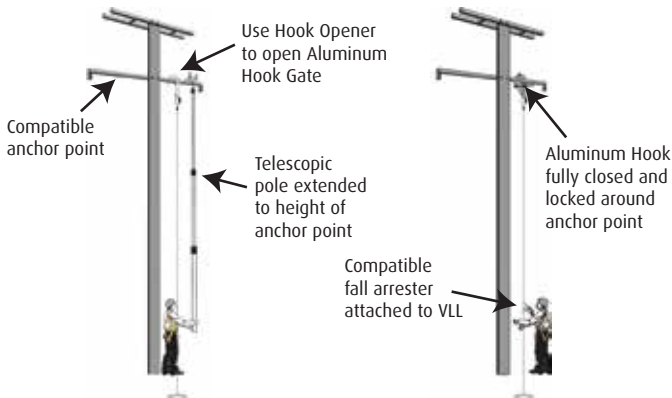
Installation and Use

Prior to installation, plan your system:

1. Ensure PFAS equipment (full-body harness, VLL/SRL, extension lanyard, and fall arrester) is selected and deemed compatible with the Remote Anchor Connector Aluminum Hook by a Competent Person. ALWAYS follow all manufacturer's instructions for all PFAS equipment.
2. Eliminate or minimize all risk of swing fall hazards.
3. Determine desired location for Aluminum Hook; ensure location is free of debris, rot, decay, cracking, and hazardous materials. NEVER install on structure incapable of withstanding application minimum loads.

Installation:

1. From ground level and away from all fall hazards, attach VLL/SRL snap hook or carabiner to Aluminum Hook Eyelet. If VLL/SRL has integral shock absorber, shock absorber end must be attached to Aluminum Hook Eyelet.
2. Attach Hook Opener to top of Telescopic Pole.
3. Attach Hook Opener to Aluminum Hook.
4. Extend Telescopic Pole to height of anchor to which Aluminum Hook is to be attached, and lock all levers into place so Telescopic pole will not accidentally retract.
5. Apply mild tension to VLL/SRL to keep Aluminum Hook upright while it is lifted up to anchor.
6. Raise Telescopic Pole to height of anchor.
7. Maintain tension on VLL/SRL, and lift up Telescopic Pole to unlock Aluminum Hook Gate.
8. Push Aluminum Hook Gate against anchor so that Gate opens and Aluminum Hook attaches to anchor. Ensure Aluminum Hook Gate is fully closed and locked to anchor.
9. Detach Hook Opener from Aluminum Hook, lower Telescopic Pole, and collapse Telescopic Pole to its fully retracted state.
10. Attach VLL/SRL to applicable harness D-ring. VLL requires use of compatible rope grab and extension lanyard.



Maintenance, Cleaning, and Storage

If a Remote Anchor Connector 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 Remote Anchor Connector. Remove all dirt, corrosives, and contaminants from Remote Anchor Connector before and after each use. If a Remote Anchor Connector cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Remote Anchor Connector 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 Remote Anchor Connector for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, broken stitching, fraying, and missing or illegible labels. IMMEDIATELY remove Remote Anchor Connector 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 Remote Anchor Connector. **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 Remote Anchor Connector have been subjected to.

Inspection Log

Date of First Use: _____.

Product lifetime is 5 years from Date of First Use, or, if not recorded, from Date of Manufacture, 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 Remote Anchor Connector. Separate inspection logs must be used for each Remote Anchor Connector. 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.

Labels

90116
(Rev. C)

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FALL PROTECTION

Remote Anchor Connector
Part #: 01840

6305 S. 231st St. 1-800-466-6385
Kent, WA 98032 www.guardianfall.com

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

Aluminum Hook is compliant with OSHA 1910 and OSHA 1926 Subpart M regulations.

Date of Manufacture: ██████████

Materials: PVC, high-strength ABS, stainless steel, aluminum.


Components: (1) Telescopic Pole, (1) Aluminum Hook, (1) Hook Opener, (1) Pole Extension.

Capacity Range (Aluminum Hook Only): 130-310 lbs.

ONLY use Aluminum Hook for purposes of fall protection. All other components must only be used to raise/lower Aluminum Hook, and attach/detach it from anchor point.

Ensure selected anchor point will withstand minimum loads of at least 5,000 lbs.

All PFAS equipment must be selected and deemed compatible with Remote Anchor Connector by a Competent Person. Refer to instructions for proper methods of connection and use.

 **WARNING**

ALWAYS wear head and eye protection when using this product.

Prior to use, ensure all levers on Telescopic Pole are fully locked according to instruction manual, and that no risk exists for Telescopic Pole to accidentally retract.

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.

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If equipment fails inspection
IMMEDIATELY REMOVE FROM SERVICE

DO NOT REMOVE LABELS