

GUARDIAN

FALL PROTECTION



Product Name: Rebar Chain Assembly

Part #: 01600; 01603; 01605; 01608; 01609; 01610; 01611; 21610

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 Rebar Chain Assembly. 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 Rebar Chain Assembly, and all fall safety equipment used in combination with the Rebar Chain Assembly.

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, 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 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.

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



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



Work Positioning: Rebar Chain Assemblies may be used in Work Positioning applications. Work Positioning systems allow a worker to be supported while in suspension and work freely with both hands. Structure must withstand loads applied in the directions permitted by the system of at least 3,000 lbs. Maximum allowable free fall is 2'. Applicable D-rings: Side, Shoulder.

Worker capacity range (including all clothing, tools, and equipment): 130-310 lbs.

**Rebar Chain Assemblies must be used for Work Positioning applications ONLY.
NEVER for use in Fall Arrest or any other fall protection applications.**

**Rebar hook at center of Rebar Chain Assembly must ONLY be connected to structural rebar.
Rebar Chain Assembly snap hooks must ONLY be connected to applicable harness D-rings.**

Guardian Fall Protection recommends that a back-up fall protection system, suitable for Fall Arrest applications, be used in conjunction with Rebar Chain Assemblies.

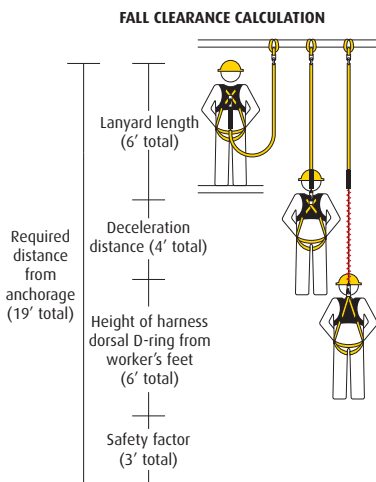
NEVER use Rebar Chain Assemblies for rigging equipment or as material hoists.

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 Rebar Chain Assembly, 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 Rebar Chain Assembly 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.**



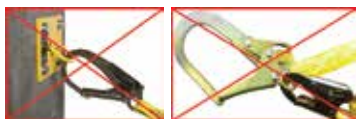
Connector directly to webbing. **NO.**

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

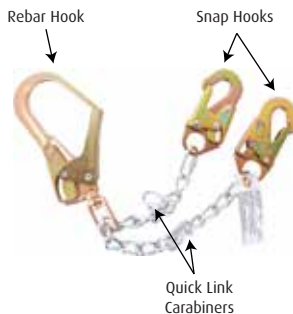
Materials:

Chain: galvanized steel.

Web (part #s 01610 and 21610): polyester.

Connectors (rebar hooks and snap hooks): galvanized steel.

Part #	Length	Description
01600	24"	Swivel Rebar Hook & Snap Hooks
01603	24"	Swivel Rebar Hook & Clevis Snap Hooks
01605	24"	Rebar Hook & Snap Hooks
01608	26"	Swivel Rebar Hook & Snap Hooks (Grade 80 Chain)
01609	24"	Rebar Hook & Clevis Pin Snap Hooks
01610	22"	Web Assembly w/Rebar Hook & Snap Hooks
01611	22"	Swivel Rebar Hook & Snap Hooks
21610	22"	Web Assembly w/Snap Hooks





Installation and Use



WARNING

Guardian Fall Protection recommends that a back-up fall protection system, functional in Fall Arrest applications, be used in conjunction with all Rebar Chain Assemblies. Competent Person must make final determination regarding use of back-up fall protection system.

1. Connect back-up fall protection system, deemed compatible by a Competent Person, to harness dorsal D-ring. Follow all manufacturer's instructions for all components of back-up system. Ensure sufficient fall clearance exists at all work areas, and that all applicable safety regulations are followed at all times.
2. If applicable/necessary, adjust length of Chain Legs by using Quick Link Carabiners to connect chain links. NEVER cross-connect Chain Legs. Then, connect Rebar Chain Assembly Snap Hooks to harness side D-rings OR harness shoulder D-rings. Ensure Snap Hooks fully close and lock around D-rings. MAXIMUM 1 connection per D-ring.
3. Connect Rebar Hook to structural rebar; ensure hook fully closes and locks around rebar. If climbing, ensure that 100% tie-off is maintained at all times.



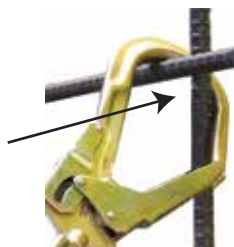
WARNING

Quick Link Carabiners must only be used to connect Rebar Chain Assembly chain links for purposes of adjusting length of chain. Both Chain Legs must always be adjusted to same length. NEVER make any connections to Quick Link Carabiners.

Connect Snap Hooks to harness shoulder OR side D-rings.



Rebar Hook fully closed and locked around structural rebar.



Maintenance, Cleaning, and Storage

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

Inspect bolt and nut at base of hook:



Remove from service if there is a large, visible gap between nut and hook.

Inspection Log

Date of First Use: _____.

For product with web lifeline, product lifetime is 5 years from date of first use, or, if date of first use is not recorded, from date of manufacture. For product with chain lifeline, product lifetime is indefinite.

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.

	J	F	M	A	M	J	J	A	S	O	N	D
YR												
YR												
YR												
YR												
YR												

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

**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

Rebar Chain Assembly **Date of Manufacture:** 

Part #: 

Guardian Fall Protection • 1-800-466-6385 • www.guardianfall.com.

Prior to use, read and understand all manufacturer's instructions. Remove from service if exposed to forces of fall arrest.

ANSI Z359.1-07 and A10.32-12; OSHA 1910 and 1926 Subpart M

Material: galvanized steel.

Weight capacity range (including equipment): 130-310 lbs.

Avoid contact with sharp and abrasive edges and surfaces.

For Work Positioning applications ONLY. MAXIMUM free fall 2'.

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DO NOT REMOVE LABELS!

USER MUST INSPECT PRIOR TO EACH USE. Competent Person to inspect and initial at least every six months.

Date of First Use: _____

YR	J	F	M	A	M	J	J	A	S	O	N	D

