

# GUARDIAN

## FALL PROTECTION



### Product Name: Stacker Bracket System

Part #: 61128; 61129; 61133; 61038; 61142; 61074; 61075; 61076; 61144; 61146; 61147; 61148; 61149

### 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 Stacker Bracket System. 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 Stacker Bracket System, and all fall safety equipment used in combination with the Stacker Bracket System.

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-specific regulations. Consult regulatory agencies for more information on fall protection systems and associated components.

## Worker Classifications

 <b>CAUTION</b>	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. NEVER make any connections to guardrail systems.



**Fall Prevention:** Stacker Bracket System may be used in Fall Prevention applications ONLY. Fall Prevention Systems are placed around the leading edges of any and all fall hazards to prevent a worker from going over an edge, and may be used in substitute of Fall Protection or safety netting systems. Installation requirements for the Stacker Bracket System set forth in this manual MUST be adhered to. Personal Fall Arrest, Work Positioning, Climbing, Rescue, and any other systems must NEVER be connected to Fall Prevention Systems.



**WARNING**

NEVER lean or climb on Fall Prevention systems.

**Surfaces more than 6' above lower levels require the use of a Fall Prevention or Fall Protection system.**

## Components and Specifications

Materials: powder-coated steel.

Top Clamp:

- #61146, for 2" x 4" rails.
- #61147, for 2" x 5" rails.
- #61148, for 2" x 6" rails.
- #61149, for 2" x 8" rails.
- #61144, for 2" x 12" rails.



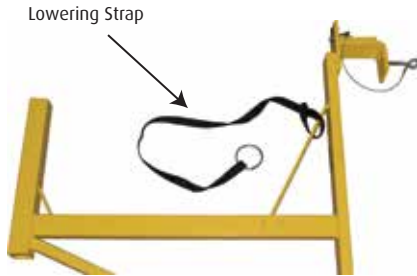
Guardrail Post (#61133):



Support Bracket (#61129):



Indoor Hanger Bracket (#61038):



End Rail (#61228):



Toeboard Attachment (#61142):



Stacker Bracket Assembly



## Installation and Use

**Prior to installation, plan your system:**

**Support Brackets and Indoor Hanger Brackets MUST be spaced no more than 8' apart.**

**All components of the Stacker Bracket System MUST be placed on an even plane.**

1. Inspect and ensure the functionality of all components of the Stacker Bracket System, and the integrity of the structure to which it will be attached.
2. Define a perimeter around the building on which the Stacker Bracket System is to be used. The perimeter must function to prevent unauthorized access to the site and prevent injury from falling objects.
3. Measure the entire work area in which the Stacker Bracket System will be used. Use the roof and building layout plans to properly space your system. Begin 1' from the outside corner of the building and mark where Support Brackets will be placed.
4. Consider whether Toeboard Attachments are required. Toeboards are REQUIRED if there is any possibility for equipment, materials, or other substances to fall down to a lower level, and/or if the Stacker Bracket System is installed over an active work area where the possibility exists for workers to pass under the system.
5. Distribute the following materials to the marked installation locations:
  - (1) Support Bracket with (1) Top Clamp. Ensure Top Clamp size is matched to fit top rail.
  - (1) Guardrail Post.
  - (1) 2" x 4", 3' long Lumber Support Brace.
  - (3) 2" x 4" Lumber Guardrails, or Snap-On Metal Adjustable Guardrails.
  - (2) 2" x 10", 10' long Scaffold Planks.
  - (1) Toeboard Attachment and (1) 2" x 4" Toeboard (if required).
  - (1) End Rail (for system termination points only).
  - (1) Lowering Strap (for sheer roof areas only).

**\*ALWAYS use construction grade lumber.**



**WARNING**

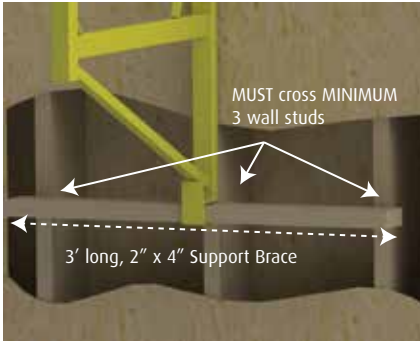
A MINIMUM of 2 people who are trained in the installation of the Stacker Bracket System must perform the entire installation.



**Installation:**

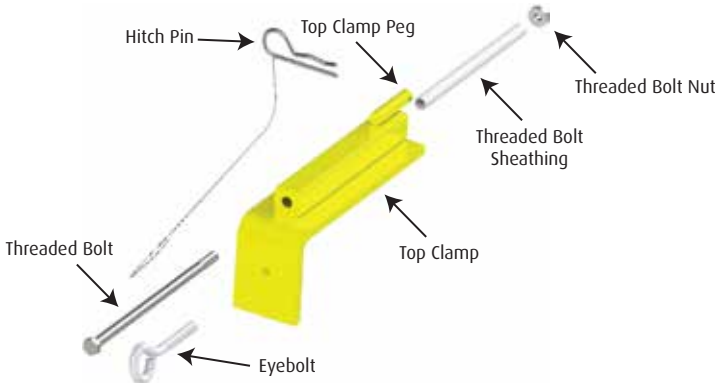
**MAXIMUM 2 workers or 500 lbs. per successive Support Brackets.**

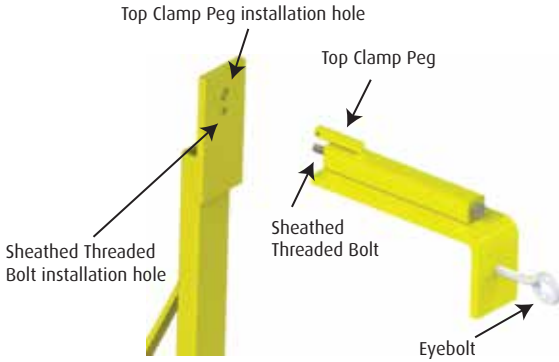
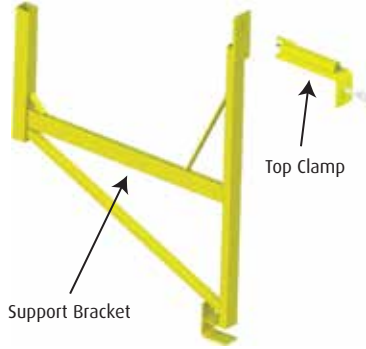
1. On 3' long, 2" x 4" Support Brace, mark desired Support Bracket attachment location, making sure Support Bracket will cross at least three wall studs at selected installation location, even at shear areas.
2. Nail selected 2" x 4", 3' Support Brace to Support Bracket at layout mark. DO NOT drive nail flush, as it must be removed during disassembly. Support Bracket might not always be centered on Support Brace. DO NOT nail Support Brace to wall.



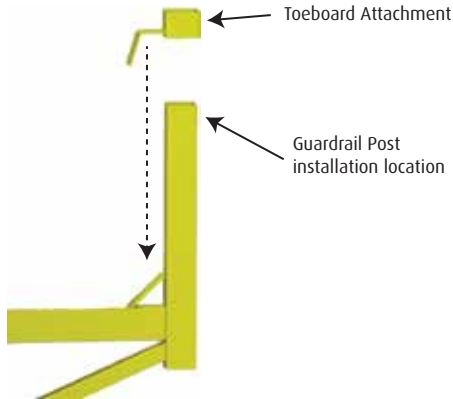
**3. Attach Top Clamps to Support Brackets:**

- 1) Ensure Top Clamp is sized correctly for applicable installation location (see pg. 2).
- 2) Turn Threaded Bolt Nut until snug to secure Threaded Bolt in Top Clamp Housing (nut MUST NOT be installed on opposite side of Support Bracket).
- 3) Apply a small amount of thread lubrication to Eyebolt.
- 4) Insert Top Clamp Peg and Threaded Bolt through corresponding Support Bracket holes.
- 5) Use a socket wrench to tighten Threaded Bolt until it is fully secured in Support Bracket. DO NOT insert Hitch Pin until after Eyebolt is tightened onto rail (see steps 7 and 8).

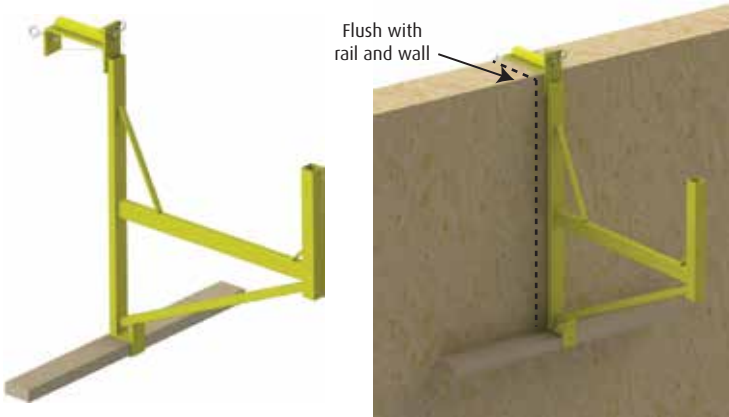




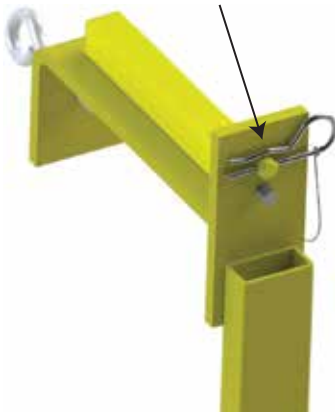
4. If Toeboards are required, install all Toeboard Attachments over Support Bracket Guardrail Post installation locations. Toeboard Attachment "foot" must face in towards wall. Toeboard Attachments must be installed at the lowest point possible on Guardrail Post.



5. Completed Top Clamp and Support Bracket assembly **MUST** be installed from a secured ladder.
6. Hang Top Clamp and Support Bracket assembly over rail at selected installation location. Ensure Support Brace crosses at least three wall studs. **Top Clamp MUST lie flush with rail. Support Bracket MUST lie flush with wall.**



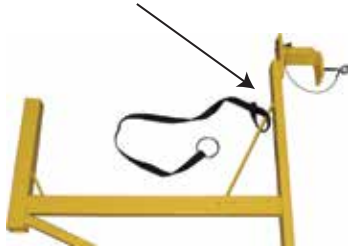
7. Turn Top Clamp Eyebolt until snug. Use a ratchet to finish tightening until Eyebolt is two full turns past snug. **NEVER** use an impact wrench with this system.
8. Insert Top Clamp Hitch Pin through hole in Top Clamp Peg, which has been inserted through Support Bracket.



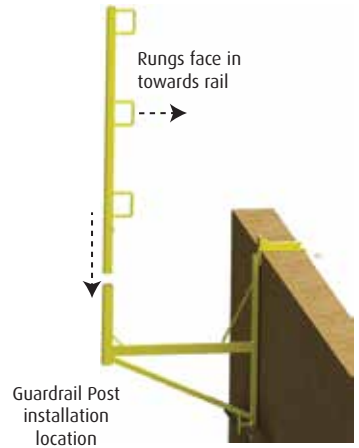


9. Install all remaining Top Clamp and Support Bracket assemblies.

10. At sheer wall locations, a Lowering Strap should be secured to Support Bracket as shown. Hang Lowering Strap over top of railing and secure. Lowering Strap is used during disassembly.

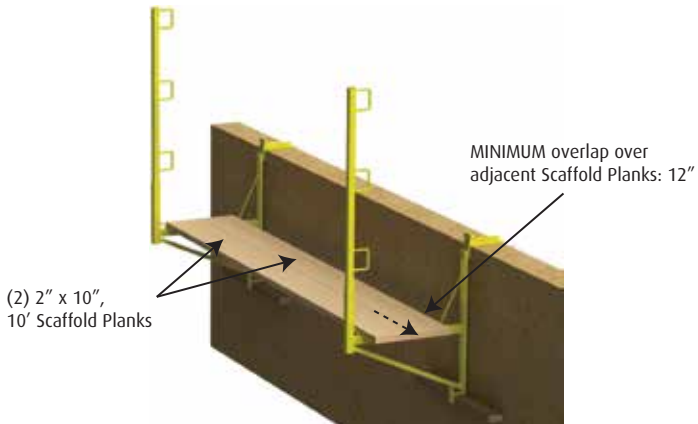


11. Install all Guardrail Posts from a secured ladder. Insert Guardrail Posts into designated installation locations on Support Brackets. Guardrail Post rungs must face in towards the structure on which the Top Clamp and Support Bracket assembly has been installed.

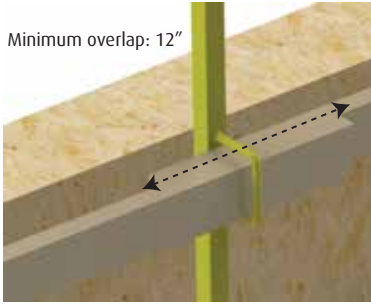


12. ALWAYS install first set of Scaffold Planks and Guardrails from a secured ladder. All Scaffold Planks and lumber Guardrails MUST overlap a minimum of 12" on EACH end. Overlapping Scaffold Planks do not need to be secured with fasteners.

13. Install (2) 2" x 10", 10' long Scaffold Planks across two consecutive Top Clamp and Support Bracket assemblies. Ensure Scaffold Planks fully span the two assemblies, and will overlap with adjacent Scaffold Planks by a minimum of 12" on each end.



14. Insert (3) 2" x 4", 10' long Guardrails into corresponding rungs on Guardrail Posts. Ensure that Guardrails will fully span two consecutive Top Clamp and Support Bracket assemblies, and will overlap with adjacent Guardrails by a minimum of 12" on each end.



• Compatible Snap-On Metal Adjustable Guardrails (part #s 61075 and 61076, not included) may be used in substitute of 2" x 4" lumber Guardrails. Snap-On Metal Adjustable Guardrails do not require lapping. Both ends of Snap-On Metal Adjustable Guardrails MUST be fully locked onto their corresponding Guardrail Post rungs.

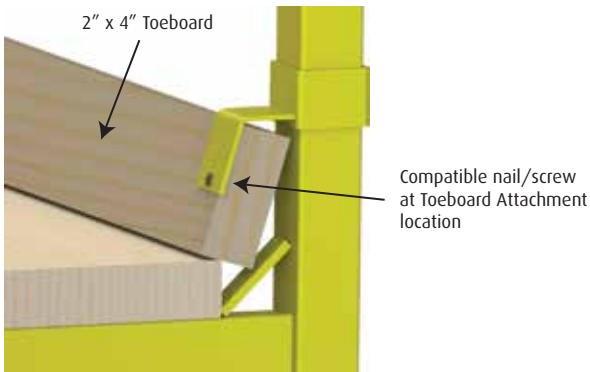


**WARNING**

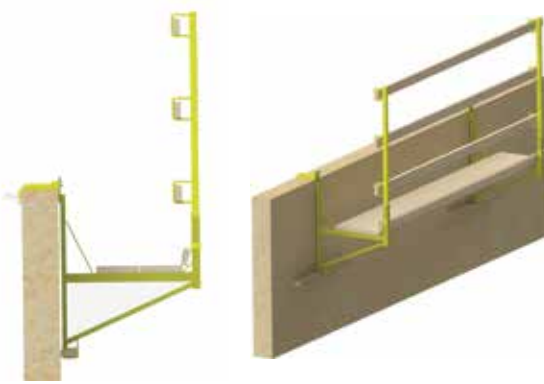
Scaffold Planks and lumber Guardrails MUST overlap a MINIMUM 12" on each end.

15. Complete entire run of Scaffold Planks and Guardrails. Ensure overlapping Scaffold Planks and Guardrails are lapped in a continuous direction. Continuous lapping simplifies the disassembly process.

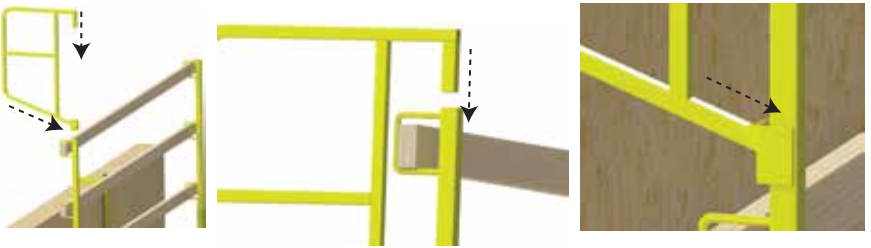
16. If Toeboards are required, attach 2" x 4" lumber Toeboards with a compatible nail or screw at all Toeboard Attachment locations.



See the following images of a fully installed Stacker Bracket System (without a run termination):



17. Install End Rails at all system run termination points. Bottom of End Rail connects to Guardrail Post below the middle rung. Insert top of End Rail fully into top of Guardrail Post.



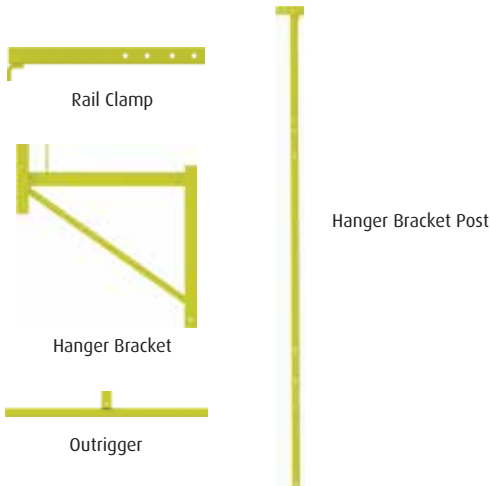
See following image of a fully installed Stacker Bracket System (with a run termination requiring an End Rail):



**Indoor Hanger Bracket Assembly:**

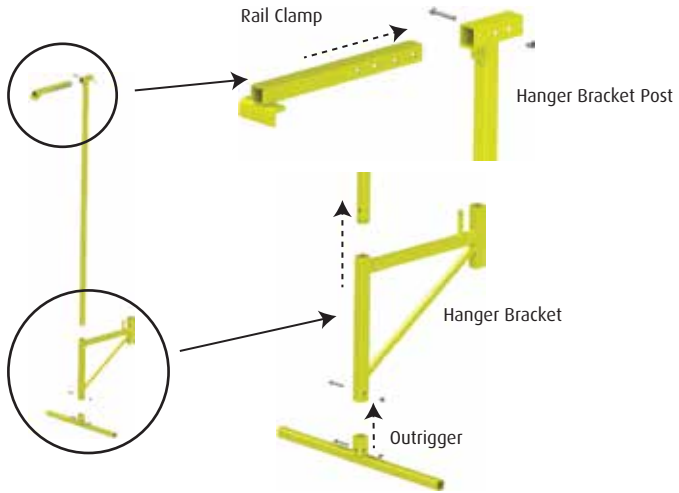
A Stacker Bracket System may also be installed in indoor applications. For indoor applications, the Indoor Hanger Bracket **MUST** be used in place of the Top Clamp and Support Bracket assembly. After assembling the Indoor Hanger Bracket according to the following instructions, follow the same installation procedure as for the Stacker Bracket System.

1. Installation of 3', 2" x 4" Support Brace at bottom of Indoor Hanger Bracket is not needed; the Support Brace is replaced by the included Outrigger component of the Indoor Hanger Bracket.
2. Installation of the Top Clamp is not needed; the Top Clamp is replaced by the included Rail Clamp component of the Indoor Hanger Bracket.
3. Prior to any other installation work, complete the following assembly instructions for the Indoor Hanger Bracket. Each Indoor Hanger Bracket is assembled from one each of the following components:



**To Assemble:**

1. Insert Outrigger into bottom of Hanger Bracket. Secure with provided fastener. During installation of system, Outrigger **MUST** be positioned so it crosses a minimum of three wall studs.
2. Insert Hanger Bracket Post into top of Hanger Bracket. Secure with provided fastener. Ensure all Hanger Bracket Posts are assembled so that the entire system will be on an even plane, and that no Hanger Brackets will be installed in front of windows or other open wall spaces.
3. Insert Rail Clamp into Hanger Bracket Post. Secure with provided fastener. Ensure that Rail Clamp "tooth" is positioned towards railing on which Indoor Hanger Bracket is to be installed. Ensure Rail Clamp is sized in accordance with railing.
4. Ensure entire Indoor Hanger Bracket system will sit flush against wall and railing.
5. Ensure all components of entire Indoor Hanger Bracket system are fully secured and properly assembled, and then proceed with the installation or remainder of the system.



#### Prior to Disassembly:

Ensure all necessary carpentry is complete, including:

- 1) All roof vents and frieze blocks installed.
- 2) All fascia completed.
- 3) All roof sheeting and railing done. Holes cut for heat as applicable.
- 4) Fireplace stacks, pop-outs, skylights, dormers, and all other protrusions from surface are complete.
- 5) Chevrons at gable ends.
- 6) Tile kick at eave installed.

#### Disassembly:

1. Ensure caution tape or other sufficient barrier is in place around the entire applicable work area.
2. Ensure sufficient and proper fall safety equipment is used during disassembly.
3. Remove all Guardrails, Scaffold Planks, and Guardrail Posts. ALWAYS perform disassembly work in the opposite direction of installation.
4. Stack all boards, planks, and Guardrail Posts on properly installed roof jacks, or safely lower all materials to the ground. DO NOT OVERLOAD ROOF JACKS.
5. At sheer wall locations, attach compatible rope or webbing to previously installed Lowering Strap. While another worker firmly holds the Lowering Strap, loosen Top Clamp Eyebolt and remove Top Clamp. Lower Support Bracket to ground using selected rope or webbing.
6. For non-sheer wall locations, remove 3', 2" x 4" Support Brace. Loosen Top Clamp Eyebolt, remove Top Clamp, and bring Support Bracket onto the roof between the studs. Safely lower all materials to the ground.

## Maintenance, Cleaning, and Storage

If Stacker Bracket System 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 Stacker Bracket System. Remove all dirt, corrosives, and contaminants from Stacker Bracket System before and after each use. If Stacker Bracket System cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Stacker Bracket System 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 Stacker Bracket System for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, and alteration. IMMEDIATELY remove Stacker Bracket System from service if defects or damage are found.

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 Stacker Bracket System. **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 Stacker Bracket System has 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 Stacker Bracket System. Separate inspection logs must be used for each Stacker Bracket System. All inspection records must be made visible and available to all users at all times.**

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

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

**Stacker Bracket Top Clamp**

Part #: 61148 Date of manufacture: [REDACTED]  
Compliant with OSHA 1910 and 1926 regulations.  
1-800-466-6385 6305 S. 231st St., Kent, WA 98032

Made in China

OR

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

**Stacker Bracket Top Clamp**

Part #: 61146 Date of manufacture: [REDACTED]  
Compliant with OSHA 1910 and 1926 regulations.  
1-800-466-6385 6305 S. 231st St., Kent, WA 98032

Made in China

OR

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

**Stacker Bracket Top Clamp**

Part #: 61149 Date of manufacture: [REDACTED]  
Compliant with OSHA 1910 and 1926 regulations.  
1-800-466-6385 6305 S. 231st St., Kent, WA 98032

Made in China

AND

**WARNING**

Follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer.

90093 (Rev. B)

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

**Stacker Bracket Support Bracket**

Date of Manufacture: [REDACTED] Part #: 61129  
6305 S. 231st St.  
Kent, WA 98032

Compliant with all applicable  
OSHA 1910 and 1926 regulations. 1-800-466-6385

Made in China

**WARNING**

Follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer.

Attached 2"x4" board **MUST** cross **MINIMUM** 3 wall studs.  
All planking **MUST** overlap a **MINIMUM** of 12". 90092 (Rev. B)

**WARNING**

Follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer.

End Rails **REQUIRED** at **EVERY** Stacker Bracket run termination.

90094 (Rev. B)

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

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

**Stacker Bracket End Rail**

Part #: 61228  
Compliant with OSHA 1910 and 1926 regulations.  
Date of manufacture: [REDACTED]

Made in China

**WARNING**

Follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer.

Guardrail loops **MUST** face in toward wall.

All guardrails **MUST** overlap a **MINIMUM** of 12".

90095 (Rev. B)

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

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

**Stacker Bracket Guardrail Post**

Part #: 61133  
Compliant with OSHA 1910 and 1926 regulations.  
Date of manufacture: [REDACTED]

Made in China

**WARNING**

Follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer.

Ensure all components of Indoor Hanger Bracket are properly installed according to instruction manual.

90096 (Rev. B)

**GUARDIAN**  
FALL PROTECTION  
PERFORMANCE SAFETY GEAR

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

**Stacker Bracket Indoor Hanger Bracket**

Part #: 61038  
Compliant with OSHA 1910 and 1926 regulations.  
Date of manufacture: [REDACTED]

Made in China