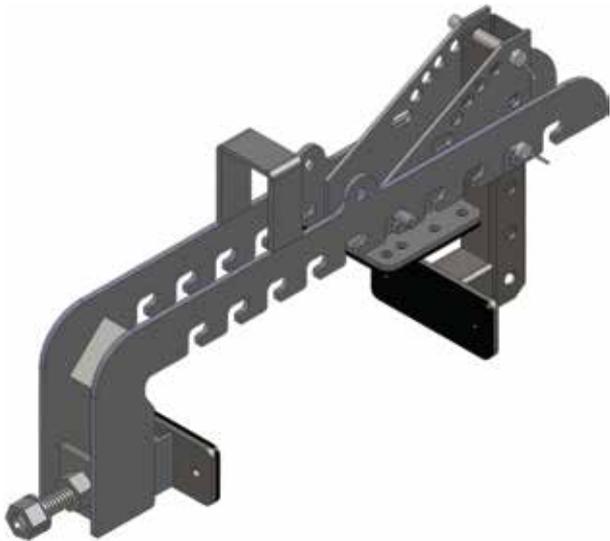


GUARDIAN

FALL PROTECTION



Product Name: Alligator Guardrail System

Part #s: 15167; 61075; 61076; 15161; 15162; 15168; 61027

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 Alligator Guardrail 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 Alligator Guardrail System, and all fall safety equipment used in combination with the Alligator Guardrail 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 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.

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.

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".

Forces applied to anchors must be calculated by a Competent Person.

Harnesses and connectors selected must be compliant with manufacturer's instructions, and must be of compatible size and configuration.

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.

Maintenance of equipment must be done according to manufacturer's instructions. Equipment instructions must be retained for reference.

Prior to EACH use, all equipment in a fall protection system must be inspected for any potential or existing deficiencies that may result in its failure or reduced functionality. IMMEDIATELY remove equipment from service if any deficiencies are found.

Equipment must be inspected by a Competent Person at least every six months. These inspections must be documented in equipment instruction manual and on equipment inspection grid label.

Equipment must be inspected for defects, including, but not limited to, the absence of required labels or markings, improper form/fit/function, evidence of cracks, sharp edges, deformation, corrosion, excessive heating, alteration, excessive wear, fraying, knotting, abrasion, and absence of parts.

Equipment that fails inspection in any way must immediately be removed from use, or repaired by an entity approved by the manufacturer.

No on-site repair of equipment unless explicitly permitted by Guardian Fall Protection.

Equipment subjected to forces of fall arrest must immediately be removed from use.

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.

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.

Allowable individual worker weight limit (including all equipment), unless explicitly stated otherwise, is 130-310 lbs.

Maintenance, Cleaning, and Storage

Repairs to Alligator Guardrail Systems can only be made by a Guardian Fall Protection representative or an entity authorized by Guardian. Contact Guardian for all maintenance and repair needs at: 1-800-466-6385. If Alligator Guardrail 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 Alligator Guardrail Systems. Remove all dirt, corrosives, and contaminants from Alligator Guardrail Systems before and after each use. If Alligator Guardrail System cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Alligator Guardrail Systems 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

KEEP INSTRUCTIONS AVAILABLE FOR REFERENCE. Record Date of First Use.

Prior to EACH use, inspect Alligator Guardrail System 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 Alligator Guardrail 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 Alligator Guardrail Systems. **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 Alligator Guardrail Systems have been subjected to.

Product Specific Applications



Use of equipment in unintended applications may result in serious injury or death. NEVER make any connections to guardrail systems.

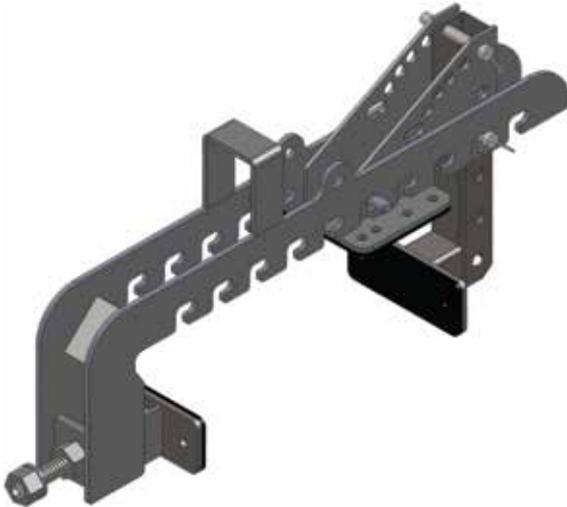


Alligator Guardrail Systems may be used in Fall Prevention applications ONLY. Fall Prevention Systems are placed around the leading edges of any and all fall hazards to prevent a worker from going over an edge, and may be used in substitute of Fall Protection or safety netting systems. Installation requirements for Alligator Guardrail Systems 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.



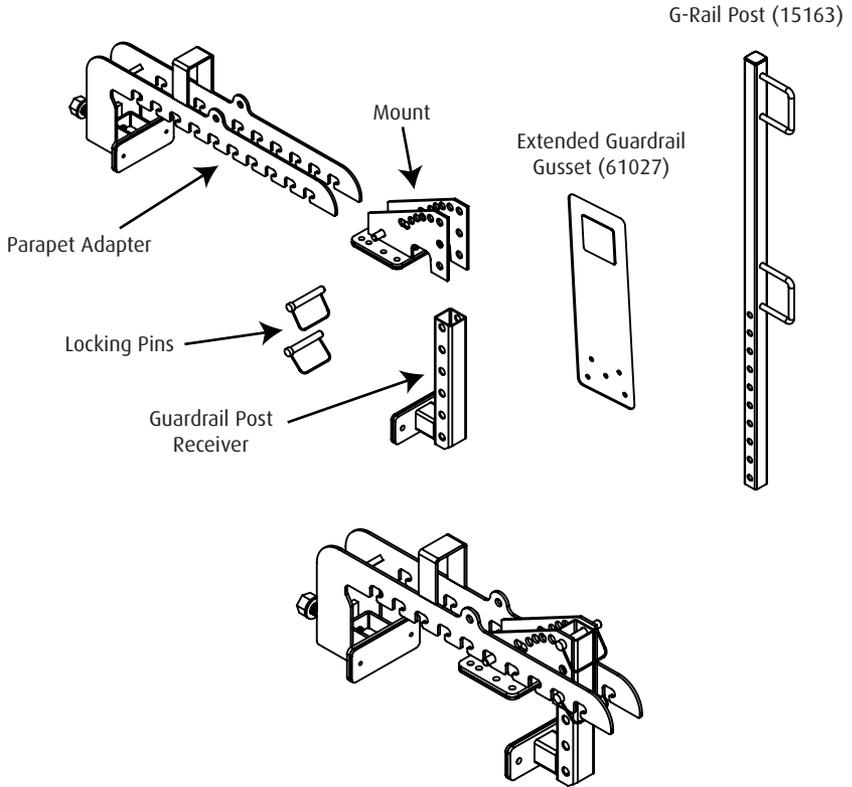
NEVER lean or climb on guardrail systems.

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



Components and Specifications

Materials: Zinc-plated steel, stainless steel, carbon steel, and EPDM rubber.



Part #	Description
15167	Alligator Clamp System. Includes 47" G-Rail Post (15163) & Extended Guardrail Gusset (61027).
61075	4' - 7' Adjustable Snap-On Metal Guardrail.
61076	7' - 10' Adjustable Snap-On Metal Guardrail.
15161	Alligator Cart. Carries complete 350' Kit.
15162	350' Kit. Includes: (36) 15167, (8) 61075, (72) 61076, (36) 15163, (1) 61027, & (1) 15161.
15168	350' Kit. Includes: (36) 15167, (8) 61075, (72) 61076, (36) 15163, & (1) 61027. Does not include cart.
61027	Extended Guardrail Gusset.

Installation and Use

Prior to installation, plan your system:

MAXIMUM spacing between Guardrail Post Receivers is 8'.

1. Inspect selected installation location and surrounding work area according to requirements of this instruction manual. Eliminate all existing and potential hazards.
2. NEVER install on unstable or structurally compromised surfaces, such as debris, rot, and rust.
3. Alligator Guardrail System must be installed a MINIMUM 10' from all electrical hazards.
4. Take extreme care during installation. Guardian Fall Protection recommends using a back-up fall protection system until Alligator Guardrail System is completely installed.

Substrate Limitations:

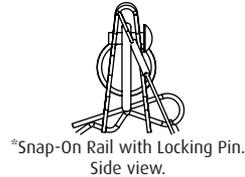
- Alligator Guardrail System may only be installed on roofs with pitches of 3/12, 6/12, and 9/12.
- NEVER use on surfaces with pitches greater than 9/12.
- Wood substrate must be 1/2" CDX or better. Metal substrate must be 24 gauge or better.

Guardrails:

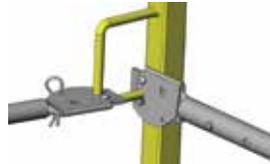
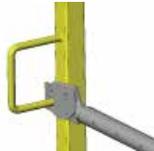
Following the installation of the Alligator Guardrail System, install snap-on or lumber guardrails according the following specifications:

• Snap-on rails:

- 1) Install snap-on metal rails over the lower part of bracket rung as shown.



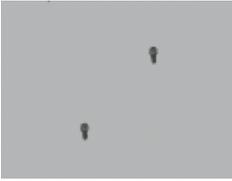
- 2) Rotate latch down and lock rail into place with provided locking pin.



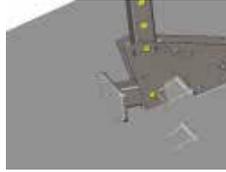
• Lumber rails:

- 1) Lumber must be 2" x 4" construction grade or better. Lumber must be at least 2' longer than the distance between consecutive guardrail posts.
- 2) Slide lumber through post rung so it overlaps adjacent lumber rail by a minimum 12".
- 3) Lap lumber in consistent direction for entire guardrail system.

Pitched and Barrel Roof Application



1) Place the mount in desired location. Mark the two teardrop shaped holes and insert (2) nails. Leave nails sticking up approx. 1/4". Place the mount on the nails and slide into locking position.



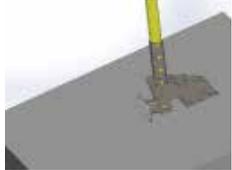
4) Align the post so it sits vertically. Post rungs must face in towards work surface. Insert pins as shown to lock post in place. Applicable for roof pitches of 3/12, 6/12, and 9/12 ONLY.



2) Install (8) 1/4" x 2" fasteners into the holes as shown in the picture. If going into plywood, substrate must be 1/2" CDX or better. If going into metal, substrate must be 24 gauge or better. If going into concrete, use a fastener such as a Tapcon® screw, and fully embed in concrete.

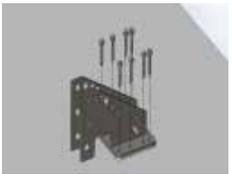


5) Once pins are installed, your assembly should appear as shown. Install toeboards if necessary.

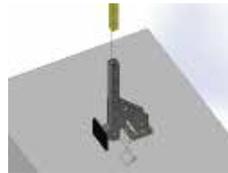


3) Slide the guardrail receiver into the mount as shown and install guardrail post.

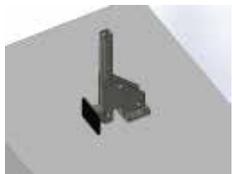
Flush Mount Roof Application



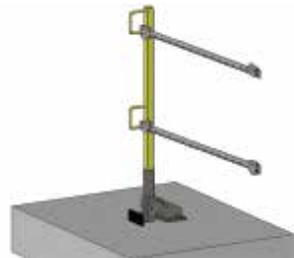
1) Install (8) 1/4" x 2" fasteners into the holes as shown in the picture. If going into plywood, substrate must be 1/2" CDX or better. If going into metal, substrate must be 24 gauge or better. If going into concrete, use a fastener such as a Tapcon® screw, and fully embed in concrete.



3) Slide guardrail post into receiver. Post rungs must face in towards work surface. Insert pins as shown to lock post in place.



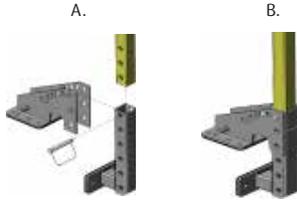
2) Slide guardrail post receiver into the mount as shown. Align with holes so base is perpendicular with roof deck.



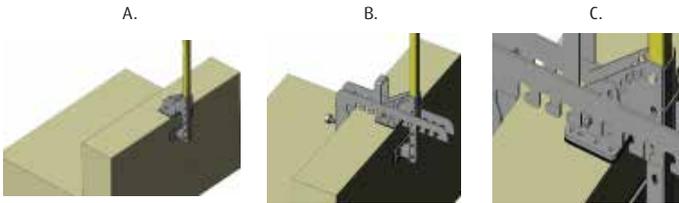
Parapet Wall Application:

**Compatible parapet thickness range is 2" to 16".
MINIMUM parapet height: 7".**

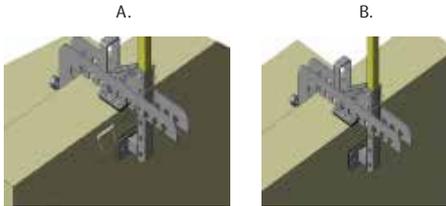
1) Assemble the mount, guardrail post receiver, and guardrail post as shown.



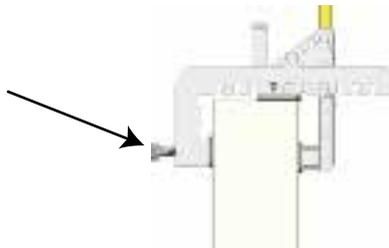
2) Place assembly completed in step 1 on the inside of parapet wall. Guardrail post rungs must face towards work surface. Place parapet adapter over pins on assembly that best fits parapet. Slide adapter until it locks into place as shown in step C. Ensure fine adjustment screw is fully extended.



3) Insert second locking pin through the hole that is now located in the teeth of the parapet adapter as shown in steps A and B.

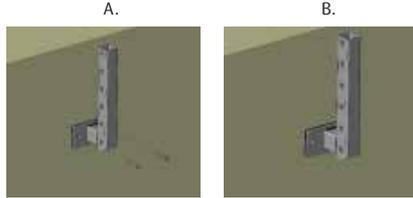


4) Tighten fine adjustment screw until snug. Do not over-tighten.

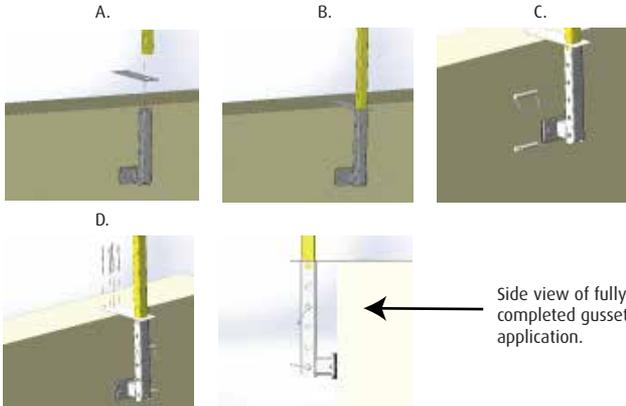


Optional Gusset Attachment Application

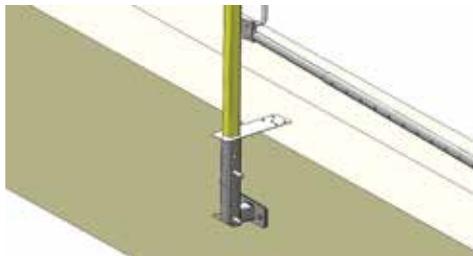
1) Install guardrail post receiver on selected parapet wall with (2) 2½" long, 14-10 screws. Ensure guardrail post receiver is set at a 90° angle, and top of post receiver is even with top of parapet wall.



2) Fit gusset to top of guardrail post receiver. Ensure gusset is flush with top of parapet well. Insert guardrail post through gusset and fully into guardrail post receiver. Guardrail post rungs must face in toward work surface. Insert locking pins into bottom hole and forth hole up from bottom as shown in step C. Fully embed (5) 16d nails into corresponding holes in gusset as shown in step D.

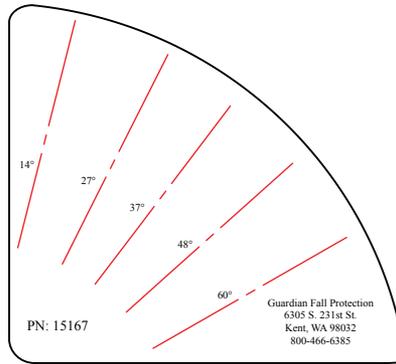
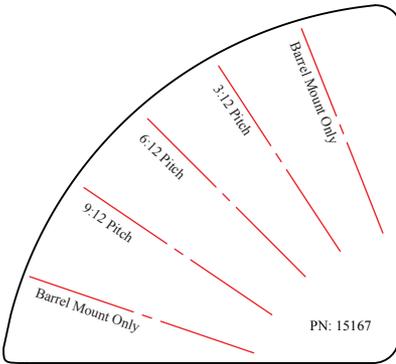


Side view of fully completed gusset application.



Labels

⚠ WARNING	
<p>Always insure that the parapet bracket is locked and secured in place before use. Read and fully understand the instructions supplied with this product at the time of shipment from the manufacturer. Inspect this product before each use and remove from service if any part of this product fails inspection. The Alligator Guardrail System is not to be used as an anchor point and only as a passive fall arrest system used in accordance with the supplied instructions.</p>	
PN:15167	Guardian Fall Protection - 800-466-6385



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