

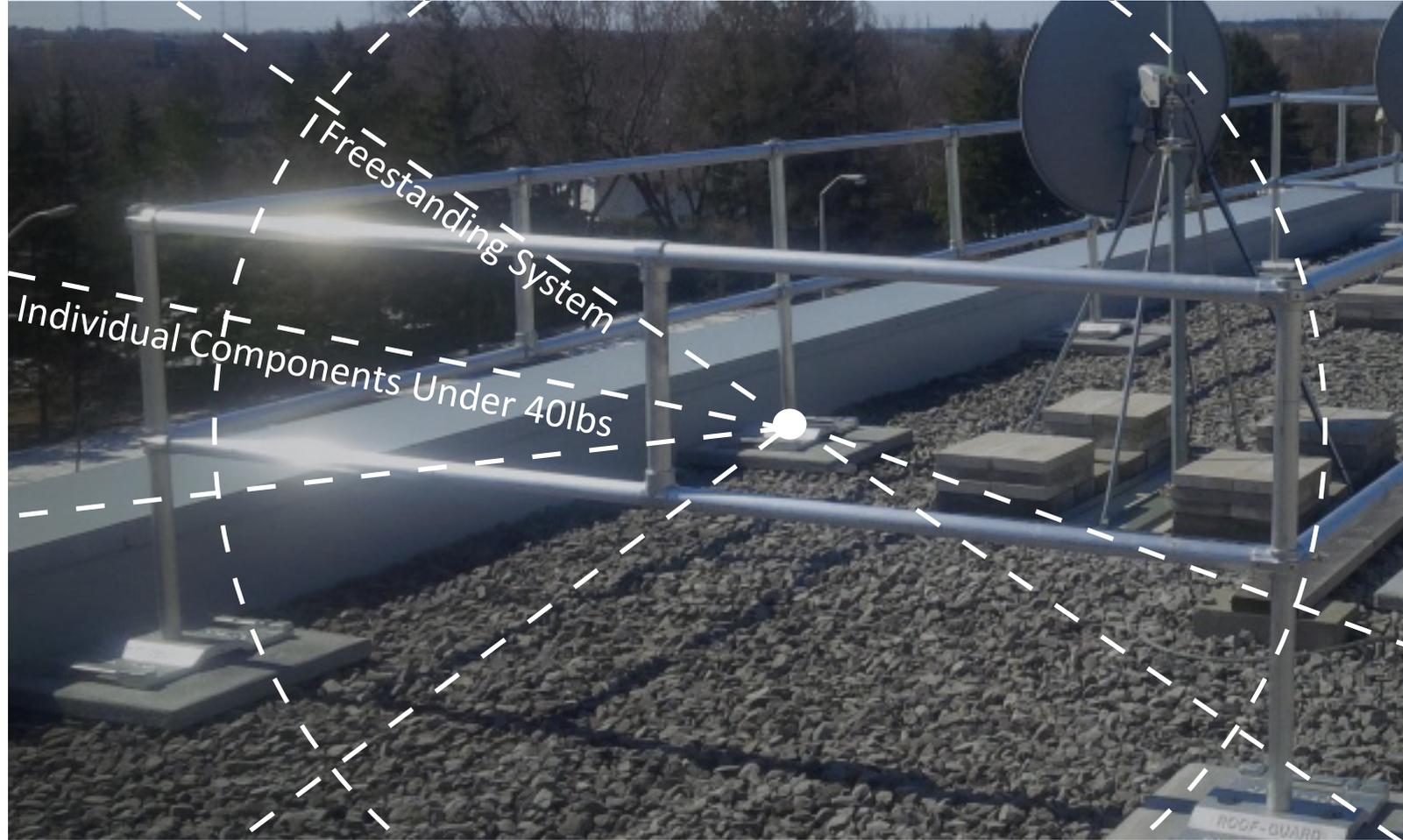
# GARGOYLE ROOFTOP GUARDRAIL SYSTEMS

## PASSIVE SOLUTIONS FOR WORKING AT HEIGHTS



MADE IN AMERICA

MANUFACTURED BY **FS** **FACTORY SUPPLY**.COM



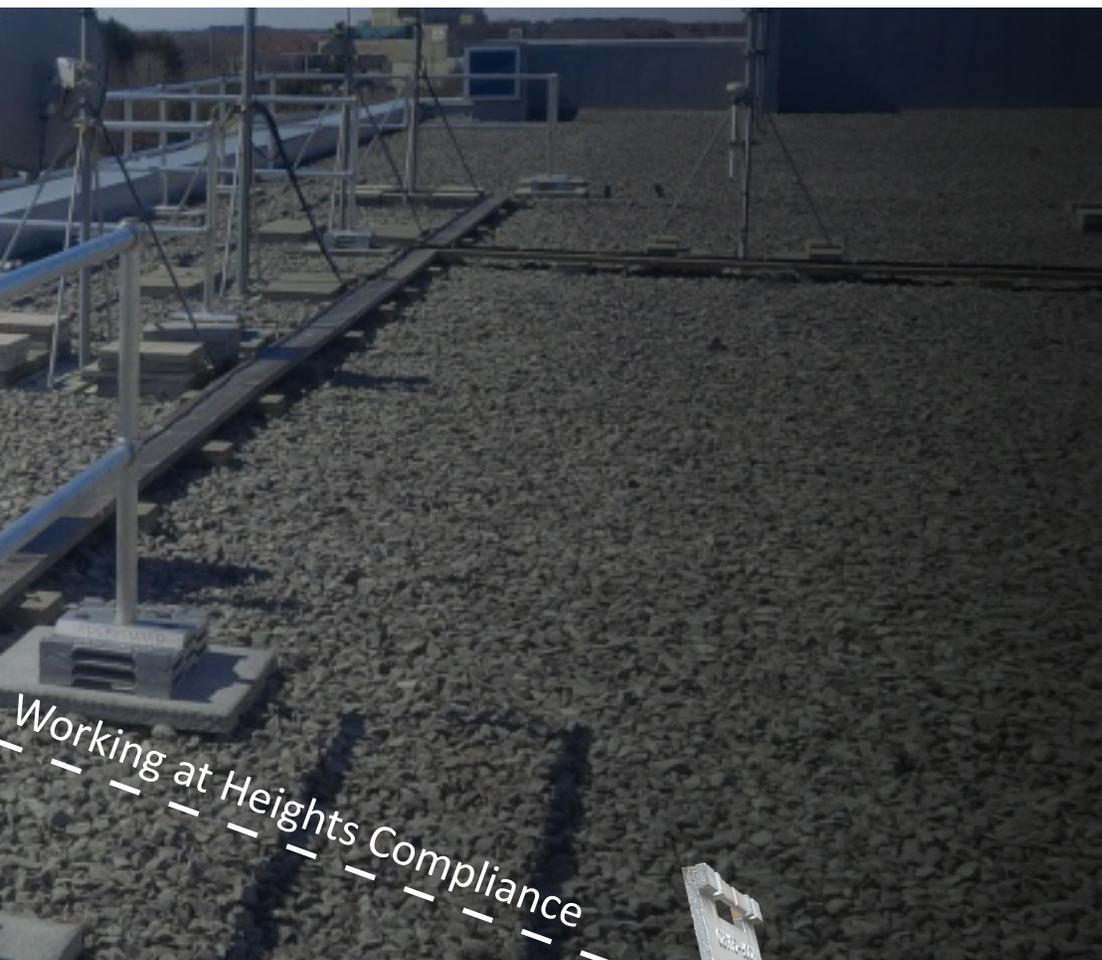
Freestanding System

Individual Components Under 40lbs

Easy Assembly

Non-Penetrating

# CONTENTS



Gargoyle Rooftop Guardrail Systems	4
Rooftop Guardrail	6
Hatch Guardrail	8
Skylight Guardrail	9
Ladder and Crossover Platform Series	10
Rooftop Walkway Systems	11
Gargoyle in Action	13
Ladder Guardrail & Fixed Access Ladders	14
Fall Arrest Anchors	15
Rooftop Applications	16
Fall Safety Statistics	18
Standard Kits	20



Counter Weighted RoofGuard Baseplates

# GARGOYLE ROOFTOP GUARDRAIL SYSTEMS



## Engineered Passive Fall Protection

Guardrail systems eliminate the need for active fall protection equipment such as harnesses and lanyards, roof anchor systems, horizontal lifelines, and training. Reducing the extra costs associated with continual upkeep, fines, and employee non-compliance.

Each system comes with sign-off from our in-house engineering team.

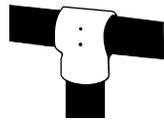


## One Tool to Assemble

Arguably the easiest rooftop system on the market to install, all kits come with everything required to assemble this elegantly simple system;

- allen wrench
- set screws

# DESIGNED BY ENGINEERS



## Fully Customizable

Gargoyle systems have been engineered with a modular, non-penetrating design that allows you to customize it to;

- fit any space and
- fit any configuration.



## Ergonomically Designed Nesting Baseplates

The backbone of Gargoyle systems. Engineered specifically to eliminate the need for permanent attachment to rooftops.

- stackable
- lightweight (40 lbs. each)

# ROOFTOP GUARDRAIL



9' Gargoyle Classic Kit  
RGC-KIT-09

9 ft. of leading edge Fall Protection. It requires no rooftop penetration, and can be categorized as a passive Fall Protection solution.

This particular system is ideal for providing reliable Fall Protection around HVAC units, Vents, near Access Ladders, Antennas, Valves, Solar Panels, or simply near frequently travelled areas that require routine maintenance.



18' Gargoyle Classic Kit  
RGC-KIT-18V

Our most popular design offers 18 ft. of leading edge Fall Protection, with two 6 ft. sections for weighted ballast.

The hinged, variable fitting in the centre of the 18 ft. section allows for complete versatility when installing the system. It can be straight, at 90 degrees, or anything in between, depending on your requirements.

# STANDARD GUARDRAIL SYSTEMS



27' Gargoyle Classic Kit  
RGC-KIT-27V

27 ft. of leading edge Fall Protection with two 6 ft. sections for weighted ballast.

Two hinged fittings allow for complete versatility when installing the system. It can be straight, at 90 degrees, or anything in between, depending on your requirements.

GARGOYLE CLASSIC KITS ON PAGE 21

## 3 STEPS TO FALL PROTECTION COMPLIANCE



### EVALUATE YOUR FALL PROTECTION NEEDS:

- PLAN AHEAD TO GET THE JOB DONE SAFELY.
- ASSESS AREAS ON YOUR ROOFTOP THAT REQUIRE ACCESS.

### ASSESS THE RISKS:

- ARE MY EMPLOYEES OR CONTRACTORS AT RISK OF A FALL?
- AM I EXPOSING MY COMPANY TO UNNECESSARY FINES?

### IMPLEMENT A SOLUTION:

- PROVIDE THE RIGHT FALL PROTECTION EQUIPMENT.

# HATCH GUARDRAIL



A permanent freestanding Guardrail System, which is non-penetrating, and safely protects workers from falls through open roof hatches.

Gargoyle's simplicity allows for our system to be integrated with virtually any rooftop opening.

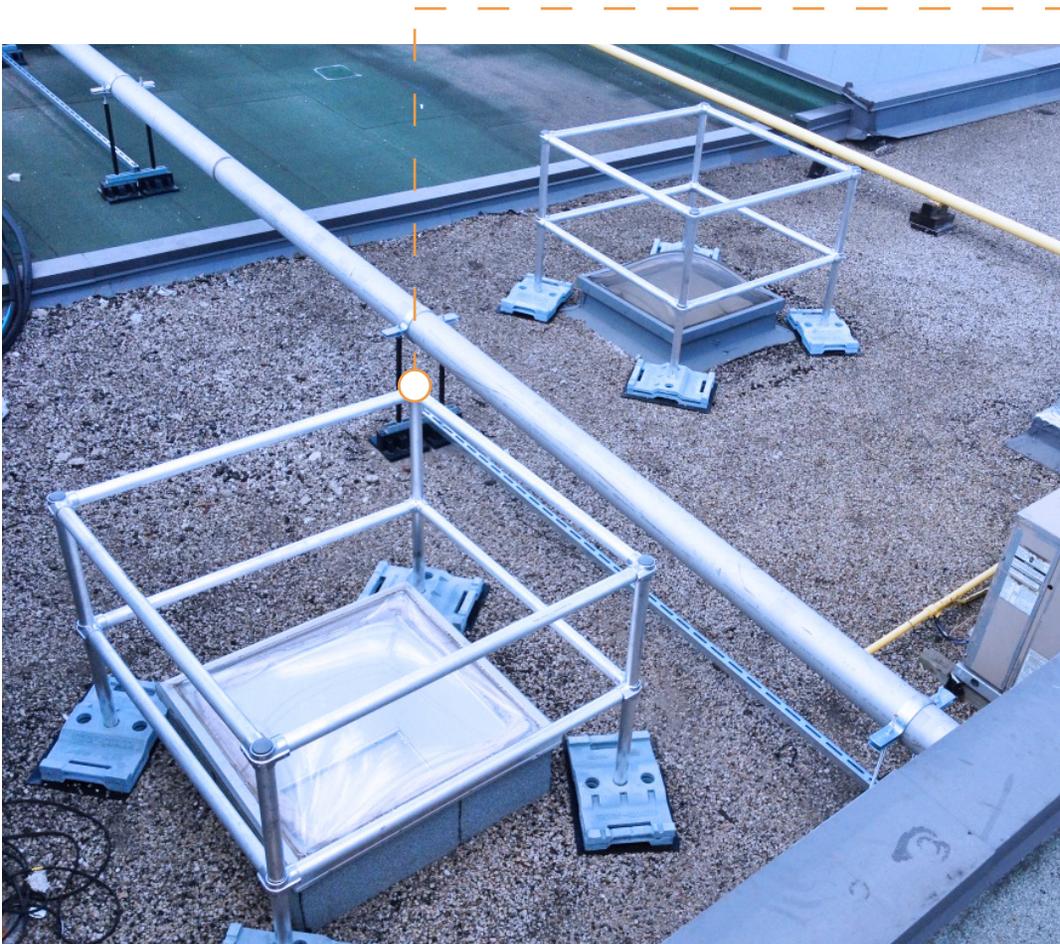
The Gargoyle Hatch Guardrail system comes standard with a spring-loaded gate, ensuring the gate always returns to the safe closed position.

An optional fixed grab bar when exiting or entering the rooftop can be included as requested.

Custom sizes are available for non-standard hatches or rooftop openings.

A standard spring-loaded gate ensures the gate always returns to the closed position, eliminating potential falls through the roof opening.

# SKYLIGHT GUARDRAIL



- Meets or Exceeds all OSHA and ANSI Safety Regulations
- Requires no Rooftop Penetration
- Available in both Kit and Custom Configurations
- Galvanized Finish is Corrosion Resistant

Designed specifically to address fall protection concerns without minimizing light from your skylights, this rooftop guardrail system allows for the optimum use of your skylight while ensuring that it does not become a fall protection liability.

Our Skylight Guardrail systems are freestanding and utilize our counterweighted baseplates, eliminating the need for hardware connections to your rooftop.

With the addition of a skylight guardrail to your rooftop, you will be able to protect your employees and eliminate the fall danger that skylights present.

Custom sizes are available for non-standard skylights.

HATCH AND SKYLIGHT GUARDRAIL KITS ON PAGE 21

# LADDER AND CROSSOVER PLATFORMS



Ladder Series (LD) systems help workers move from one level to another, and have guardrails on the upper side to help prevent a fall to the lower level.

LADDER SERIES KITS ON PAGE 23

Crossover Series (XS) systems help workers move up and over obstructions to similar roof levels, and have 45-degree bracing on both sides for stability.



# ROOFTOP WALKWAY



The Rooftop Walkway system is designed to create a sure-footed walkway on your rooftop. This fully customizable platform utilizes non-slip materials and is installed above the roof membrane ensuring no damage is being done while it is being utilized. Utilizing our counterweighted baseplates and Gargoyle guardrails, this system can be tailored to any flat roof application, providing safer access to any workspace by eliminating slipping and fall hazards.

Engineered for safety and built economically the Rooftop Walkway system is a must on any rooftop where constant roof access is required.

# GARGOYLE LINE OF PRODUCTS

an investment in fall protection



Cost-effective  
working at heights  
safety solutions



Meets or exceeds all  
OSHA and ANSI  
safety standards  
and regulations



Reduces PPE and  
training requirements  
of staff and contractors



Safe and reliable  
engineered fall  
protection solution



Simple and quick  
installations that  
require only one tool



Protects employees from  
injury or death from  
potential accidents  
working at heights



Reduces the potential  
for costly fines and  
high insurance premiums



All individual  
components are  
under 40 lbs

ON THE LEADING EDGE OF SAFETY

# GARGOYLE IN ACTION



## LEGEND

- 01 GARGOYLE ROOFTOP GUARDRAIL
- 02 GARGOYLE HATCH GUARDRAIL
- 03 GARGOYLE SKYLIGHT GUARDRAIL
- 04 GARGOYLE CROSSOVER PLATFORM
- 05 FIXED ACCESS LADDER

**CUSTOM ROOFTOP SOLUTIONS  
DESIGNED BY OUR  
IN-HOUSE TEAM OF ENGINEERS**

# LADDERS: FIXED ACCESS LADDERS AND LADDER GUARDRAIL

When you require access to your rooftop, but don't have a rooftop hatch, a fixed access ladder is one of the safest ways to access your rooftop.

Many regulations are in place in order to ensure that permanently fixed ladders are safe to use and to ensure they continue to be safe for the duration of their lifetime.

Offering full turn-key solutions from design to fabrication, as well as installation and specification, we ensure that all of our fixed access ladders meet or exceed provincial specifications and regulations.



**DOES YOUR FIXED ACCESS  
LADDER MAKE YOUR ROOF  
NONCOMPLIANT?**



When you have created a regular access point to your roof or an elevated platform, you have created an unprotected leading edge. Gargoyle solves this potential problem with a system of guardrails designed to create an egress away from the leading edge of your rooftop.

# FALL ARREST ANCHORS



## FALL ARREST



STOPS A FALL THAT HAS  
ALREADY HAPPENED

VS

## FALL RESTRAINT



DESIGNED TO PREVENT FALLS  
FROM HAPPENING

Designed specifically for individuals working near the roof edge. These portable systems are non-penetrating counterweight anchors that allow the flexibility needed to place anchor points exactly where they are required to allow for safety compliance while working at heights.



**COMMERCIAL AND RESIDENTIAL  
ROOFING APPLICATIONS**  
-  
**MEMBRANE ROOF**

**MANUFACTURING ROOFING APPLICATIONS**  
-  
**BALLAST ROOF**



# INDUSTRIAL ROOFING APPLICATIONS - METAL ROOF

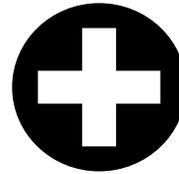


# MUNICIPAL AND EDUCATIONAL ROOFING APPLICATIONS - BALLAST ROOF



# SAFETY IN NUMBERS

“Falls are the second leading cause of accidental or unintentional injuries and deaths worldwide. Each year an estimated 646,000 individuals die from falls globally. Prevention strategies should emphasize education, training, creating safer environments, prioritizing fall-related research and establishing effective policies to reduce risk.” - *World Health Organization (2018)*



## 100% Preventable Injuries

An average of 233,176 workers were injured each year from fall related accidents from 2011 to 2019.

- *Bureau of Labor Statistics*



## Direct Costs

Direct costs from fall related workplace injuries average \$46,592 per injury. This does not include lost time and profit.

- *National Council on Compensation Insurance*



## Lost Time

Fall injuries are the primary cause of lost time at work. Fall victims miss an average of 11 days of work and 22% of falls result in more than 31 days of missed work.

- *Bureau of Labor Statistics*



## Fatalities

The second leading cause of workplace fatalities was due to falls. This amounts to an average of 15.83% of workplace fatalities per year from 2009 to 2018.

- *National Safety Council*

## Is cutting corners on **safety requirements** worth the risk?

Gargoyle is an investment in protecting your workforce that ends up saving you time, money, and liability. Short of eliminating rooftop hazards altogether, Gargoyle Rooftop Guardrail is an engineering control that meets or exceeds OSHA requirements.



# WORKPLACE FALL HAZARDS



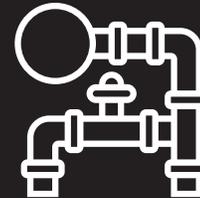
ELEVATED SURFACES



FLOOR OPENINGS



UNEVEN SURFACES



GROUND OBSTRUCTIONS



DANGEROUS MACHINERY



## OSHA FINES

**1.8%** INCREASE IN 2020

FAILURE TO CORRECT  
OTHER-THAN-SERIOUS  
POSTING REQUIREMENT  
SERIOUS VIOLATION

**NOW CARRIES A  
\$13,494  
MAXIMUM FINE**

**\$134,937** FOR WILLFUL AND REPEATED VIOLATIONS

## ACCIDENT COSTS

$$\left[ \begin{array}{l} \text{INCIDENT COSTS + INVESTIGATION COSTS +} \\ \text{PROPERTY DAMAGE + REPLACEMENT COSTS +} \\ \text{PRODUCTIVITY COSTS} \end{array} \right] \div \text{NET PROFIT \% BEFORE TAXES}$$

**=** GROSS SALES REQUIRED TO RECOVER ACCIDENT COST



THIS CALCULATION DOES NOT INCLUDE THE COST OF ELEVATED INSURANCE PREMIUMS. MORE IMPORTANTLY, IT CANNOT QUANTIFY THE EMOTIONAL COST OF THE INJURED WORKER, THEIR FAMILIES, THEIR FRIENDS, AND COWORKERS

# COMBINE AND CONFIGURE FOR ROOFTOP COMPLIANCE

SOME QUESTIONS TO CONSIDER...



ARE YOUR ROOFTOP OPENINGS PROPERLY GUARDED TO COMPLY WITH CURRENT WORKING AT HEIGHTS LAWS?



AM I, OR ANY OF MY STAFF WORKING WITHIN 6' OF THE ROOF EDGE AND REQUIRE FALL PROTECTION?



DO I NEED ACCESS TO MULTIPLE ROOFTOP ELEVATIONS?



ARE THERE TRIP HAZARDS ON MY ROOFTOP?



IS THERE FREQUENTLY ACCESSED EQUIPMENT ON MY ROOF THAT MAY POSE A RISK?

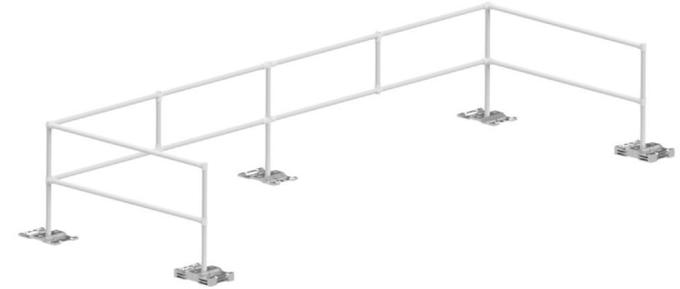
Book a meeting with a Working at Heights specialist today  
[contact info on the back cover]

## GARGOYLE ROOFTOP GUARDRAIL

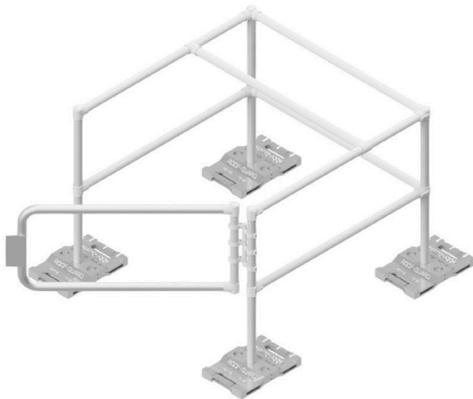
9', 18', and 27' of leading edge Fall Protection. Kits come complete with baseplates, pre-assembled vertical rails, horizontal rails, installation instructions, and a single tool with set screws for assembly.

Gargoyle Rooftop Guardrail Kits can be combined to reach desired linear coverage as needed in increments of 9', 18', and 27'.

The kits are shipped on a single pallet. Shipping sizes and weights can be found below.



MODEL	DESCRIPTION	SIZE L x W x H	WEIGHT
RGC-KIT-09	GUARDRAIL KIT - 9FT OF LEADING EDGE FALL PROTECTION	9'- 4"x 15"x 18"	450LBS
RGC-KIT-18V	GUARDRAIL KIT - 18FT OF LEADING EDGE FALL PROTECTION	9'- 4"x 15"x 18"	525LBS
RGC-KIT-27V	GUARDRAIL KIT - 27FT OF LEADING EDGE FALL PROTECTION	9'- 4"x 15"x 18"	600LBS



## HATCH AND SKYLIGHT GUARDRAIL KITS

The Hatch Guardrail Kit is designed for standard roof hatch openings of 4'x 4'.

Kits come complete with 8 baseplates for counterweight, pre-assembled vertical rails, horizontal rails, spring-loaded gate (for Hatch Guardrail only), installation instructions, and a single tool with set screws for assembly.

The kits are shipped on a single pallet. Shipping size and weight can be found below.

MODEL	DESCRIPTION	SIZE L x W x H	WEIGHT
HG-KIT-08	HATCH ROOFTOP GUARDRAIL KIT - 4FT x 4FT	4'x 4'x 16"	450LBS

## LADDER GUARDRAIL KITS

Leading edge Fall Protection kits that integrate with your fixed access ladder. Kits come complete with baseplates, pre-assembled vertical rails, horizontal rails, installation instructions, and a single tool with set screws for assembly.

The kits are shipped on a single pallet. Shipping sizes and weights can be found below.



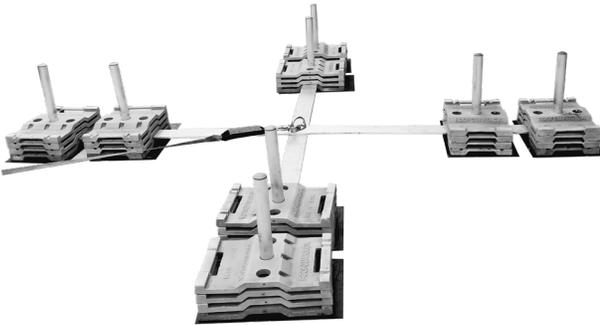
MODEL	DESCRIPTION	SIZE L x W x H	WEIGHT
RGC-KIT-FLT-U	LADDERGUARD KIT - 6FT x 6FT	6'x 24"x 18"	550LBS

## GARGOYLE FALL ARREST ANCHOR

The Fall Arrest Anchor Kit is designed as a portable, counterweighted system, which catches individuals who fall from elevated surfaces.

The kit comes complete with 32 baseplates, pre-assembled vertical posts, and a crossing horizontal attachment bracket with an anchor point and a single tool with set screws for assembly.

Fall Arrest Anchor Kits are shipped on a single pallet. The shipping size and weight can be found below.



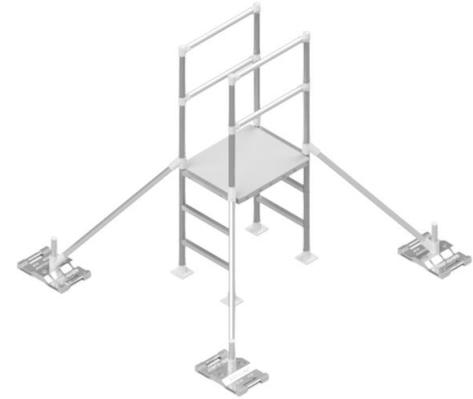
MODEL	DESCRIPTION	SIZE L x W x H	WEIGHT
RG-FALLARREST-KIT	FALL ARREST ANCHOR KIT	8'x 24"x 18"	1375LBS

## LADDER SERIES AND CROSSOVER PLATFORMS

Twelve distinct kits have been designed which include; pre-assembled vertical rails, horizontal rails, a parapet platform, installation instructions, baseplates, ladder rungs, and a single tool with set screws for assembly.

Upper Elevation: Where a fall hazard exists from the upper elevation to the lower elevation, kits are supplied with additional fall protection guardrails.

Each kit is designed to account for typical parapet wall heights and common elevation changes found on most rooftops. Kits shipped on a single pallet. The shipping sizes and weights can be found below.



MODEL	DESCRIPTION	SIZE L x W x H	WEIGHT
CROSSOVER 5-5XS	5FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 5FT DOWN BACK	9'- 4"x 15"x 18"	450LBS
CROSSOVER 5-4XS	5FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 4FT DOWN BACK	9'- 4"x 15"x 18"	445LBS
LADDER 5-3LD	5FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 3FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	510LBS
LADDER 5-2LD	5FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 2FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	515LBS
LADDER 5-1LD	5FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 1FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	500LBS
CROSSOVER 4-4XS	4FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 4FT DOWN BACK	9'- 4"x 15"x 18"	440LBS
LADDER 4-3LD	4FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 3FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	400LBS
LADDER 4-2LD	4FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 2FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	495LBS
LADDER 4-1LD	4FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 1FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	490LBS
CROSSOVER 3-3XS	3FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 3FT DOWN BACK	9'- 4"x 15"x 18"	430LBS
LADDER 3-2LD	3FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 2FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	495LBS
LADDER 3-1LD	3FT UP WALL FACE, 3FT PLATFORM OVER PARAPET, 1FT DOWN BACK, GUARDRAILS	9'- 4"x 15"x 18"	495LBS



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