

# ROOFGUARD FALL PROTECTION GUIDE

ROOFGUARD<sup>®</sup>



MADE IN CANADA

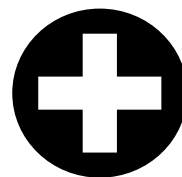
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# SAFETY IN NUMBERS

"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

In Canada, an average of 42,000+ workers are injured each year from fall related accidents.  
- OHS Canada



## Lost Time

Over 42,000 workers get injured every year due to fall incidents. This number represents roughly 18% of the "time-loss" injuries across Canada.  
- Association of Workers' Compensation Boards of Canada



## Direct Costs

According to WSIB, direct costs from fall related workplace injuries averaged \$11,771 per injury.  
- Workplace Safety and Insurance Board



## Fatalities

The second leading cause of workplace fatalities was due to falls. Accounting for an average of 15.49% of total traumatic fatalities per year from 2009 to 2018.  
- Ontario Occupational Health and Safety Compliance

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

RoofGuard is an investment in protecting your workforce that ends up saving you time, money, and liability. Short of eliminating rooftop hazards altogether, RoofGuard is an engineering control that meets Occupational Health & Safety requirements in your jurisdiction (see page 6 & 7 for details).

# PASSIVE FALL PROTECTION THAT REQUIRES NO ADDITIONAL TRAINING WHEN INSTALLED

The RoofGuard line of fall protection systems are non-penetrating, counterweighted systems used to eliminate potential hazards from working at heights. They were engineered with a simple, modular design to facilitate quick and easy installations without the need for welding, drilling or bolting into the actual roof structure. Without direct or permanent attachments to the rooftop, resealing is not required, ensuring that unexpected leaks do not occur.

Each system consists of aluminum pipe, magnesium alloy fittings, and our all-new, redesigned, lightweight, stackable cast steel baseplates. RoofGuard systems are stable on almost all roof surfaces, inexpensive to ship, and fully customizable. RoofGuard systems can be reconfigured during installation to work in almost any situation and allow you to be in full compliance with the working at heights regulations in your jurisdiction.

RoofGuard, HatchGuard, RoofStep, Fixed Access Ladders, and Skylight Guardrail come in convenient kit formats that meet standard measurement requirements; however, being modular and fully customizable, RoofGuard products can be sized to fit any configuration and come with a sign-off from our in-house engineering team.

# AN INVESTMENT IN FALL PROTECTION

## On the leading edge of roof safety

- Meets or exceeds all safety requirements across Canada with an engineered fall protection solution
- Reduces or eliminates extra PPE and training requirements for staff and contractors
- Versatile, economic, and modular systems that fit any space
- Provides site-specific coverage (i.e. single HVAC unit) or full or partial perimeter coverage on a rooftop
- Quick and easy to install
- No direct or permanent attachments to the rooftop, eliminating the need for resealing and stopping unexpected leaks
- Lightweight (components, 40 lbs. or less), customizable, modular design that fits any space and reduces shipping costs



# ROOFGUARD

## GUARDRAIL PROTECTION SYSTEMS



### Rooftop Guardrail Systems

Modular guardrail system designed to protect employees and contractors that have to perform job functions at, or near the leading edge of a rooftop.

Available in three standard kits or custom-designed systems by our in-house engineering team.



### Skylight Guardrail Systems

Non-penetrating, freestanding systems that create a protective barrier around your skylights, roof lights, and dome lights. This passive solution prevents workers and contractors from falling into these (sometimes) hidden fall hazards.

Available in standard and customized dimensions.



### Hatch Guardrail Systems

Designed to ensure that employees and contractors can easily enter and exit your rooftop safely by creating a spring-loaded and self-closing, gated barrier around any potential open access holes.

Available in standard and customized dimensions.

# CUSTOMIZABLE

## AND EASY TO ASSEMBLE

*See pages 6 & 7 for a full regulatory compliance guide for Canada*



### Fixed Access Ladder Systems

Permanent solution to provide easy access to roofs, mezzanines, or loading docks including exterior roof access and interior access to roof hatches and platforms. Designed for maximum climbing comfort and user confidence, allowing safe, compliant access to higher levels.

Available in standard and customized dimensions.



### Rooftop Crossover Systems

Robust and durable rooftop crossover systems that help ensure that workers and contractors are safe from rooftop trip hazards such as piping and other rooftop obstructions. Each system can be customized to fit your specific regulatory and access needs.

Available in standard and customized dimensions.



### Warning Line Systems

Warning barriers and bump lines prevent falls by alerting workers to fall hazards. Warning barriers and bump lines should be set up around the work area at least 2 metres (6 feet, 6 inches) from unprotected edges.

Systems are customized to specific lengths required.



# WHEN IS ROOFGUARD REQUIRED?

	ROOFTOP GUARDRAIL	HATCH GUARDRAIL	SKYLIGHT GUARDRAIL	LADDER RAILING	ARREST ANCHORS	RESTRAINT ANCHORS
CANADA LABOUR CODE - OCCUPATIONAL HEALTH AND SAFETY REGULATIONS						
Part 1S2.5(1)		✓	✓			
Part 12S 12.07 (1)	✓			✓	✓	
ONTARIO MINISTRY OF LABOUR - CONSTRUCTION REGULATION 213/91						
Section 26	✓	✓	✓	✓	✓	✓
Section 26.7 (2) 2					✓	
Section 26.7 (2) 5						✓
ONTARIO MINISTRY OF LABOUR - INDUSTRIAL ESTABLISHMENTS 851						
Section 13 (1)	✓	✓	✓	✓		
Section 85					✓	
BRITISH COLUMBIA - WORKERS COMPENSATION BOARD						
Section 4.59 (1)		✓	✓			
Section 11.2	✓	✓	✓		✓	
ALBERTA - OCCUPATIONAL HEALTH AND SAFETY CODE   2009 CURRENT TO JAN 1, 2019						
Section 140	✓	✓	✓	✓	✓	
Section 314		✓	✓			
SASKATCHEWAN - OCCUPATIONAL HEALTH AND SAFETY REGULATIONS   1996, UPDATED 2016						
Section 116 (3)	✓	✓	✓	✓	✓	
Section 124 (1)	✓	✓	✓			

	ROOFTOP GUARDRAIL	HATCH GUARDRAIL	SKYLIGHT GUARDRAIL	LADDER RAILING	ARREST ANCHORS	RESTRAINT ANCHORS
MANITOBA - WORKPLACE SAFETY AND HEALTH ACT REGULATION 217   2006 CURRENT TO SEPTEMBER 1, 2019						
Section 13.20 (1)	✓	✓		✓		
Section 14.1 (1)	✓	✓	✓	✓	✓	
Section 14.1 (2)					✓	✓
QUEBEC - REGULATION RESPECTING OCCUPATIONAL HEALTH AND SAFETY						
Chapter S-2.1 r.13 Section 33.2	✓	✓	✓		✓	
NEW BRUNSWICK - OCCUPATIONAL HEALTH AND SAFETY ACT GENERAL REGULATION 91-191						
Section 49 (1)	✓	✓	✓		✓	
Section 50 (1)	✓	✓	✓	✓	✓	
NOVA SCOTIA - WORKPLACE SAFETY GENERAL REGULATIONS UNDER SECTION 82 OF THE OCCUPATIONAL HEALTH AND SAFETY ACT						
Section 21.2 (1) and (2)	✓	✓	✓	✓	✓	
PRINCE EDWARD ISLAND - OCCUPATIONAL HEALTH AND SAFETY ACT FALL PROTECTION REGULATIONS						
Section 2	✓	✓	✓	✓	✓	
NEWFOUNDLAND AND LABRADOR - REGULATION 70/09						
Section 141	✓	✓	✓	✓	✓	
YUKON TERRITORY - OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS						
Part 1 Section 1.37	✓	✓	✓	✓	✓	
NORTHWEST TERRITORY - OCCUPATIONAL HEALTH AND SAFETY REGULATIONS R-039-2015						
Section 119 (1) and (2)	✓	✓	✓	✓	✓	
NUNAVUT - SAFETY ACT, CONSOLIDATION OF OCCUPATIONAL HEALTH AND SAFETY REGULATIONS R-003-2016						
Section 119 (1) and (2)	✓	✓	✓	✓	✓	

# ROOFGUARD IN ACTION



## LEGEND

- 01 ROOFGUARD CLASSIC GUARDRAIL
- 02 HATCHGUARD
- 03 SKYLIGHT GUARDRAIL
- 04 ROOFSTEP CROSSOVER WALKWAY
- 05 FIXED ACCESS LADDER
- 06 LADDERGUARD LADDER GUARDRAIL

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