

SAFETY GUARDRAIL SYSTEMS

METALTECH®

**SAFE AND
ADAPTABLE
FALL PREVENTION**

AVOID FALLING HAZARDS

Maximum security for collective protection

PROTECT YOUR ROOF

No perforations, water infiltration, nor damage

SAVE TIME AND MONEY

No welding or engineering services are needed. Minimal set of tools is required.



**BUILT TOUGH FOR
SAFETY**



10

REASONS TO CHOOSE THE METALTECH SAFETY GUARDRAIL SYSTEMS

1

COLLECTIVE PROTECTION

Install a safety guardrail system to ensure collective protection for all roof visitors.

2

WILL NOT DAMAGE ROOF STRUCTURES

Prevent the risk of water infiltration and potential damage while adhering to the highest safety standards.

Modular and self-supporting, the Metaltech guardrail works with a counterweight system that generates the force required to withstand loads and prevents falls without perforating the roof membrane.

3

QUICK SETUP

Reduce your installation costs with the Metaltech guardrail systems. Our ultra-light aluminum tubes can be installed quickly requiring only a few tools and no need for welding.

4

VERSATILITY OF THE METALTECH GUARDRAIL SYSTEMS

A modular and versatile system that can easily be modified and configured to meet your specific requirements. A combination of bases, clamps and aluminum tubes, this system can adapt to obstacles and roof units. Providing essential safety for employees working on roofs, our systems are ideal for any situation that demands effective fall protection.

Use our sturdy bases for both your guardrail products and your Metaltech temporary fences!

5

FREEDOM OF MOVEMENT

You will no longer have the responsibility of ensuring that your workers and contractors are tethered to a safety line. Furthermore, you will eliminate the clutter associated with harnesses and lanyards. Safety is maintained at all times while work is performed free of restrictive harnesses and lanyards.

6

STURDY PRODUCT FOR RELIABLE PROTECTION GUARANTEED FOR 10 YEARS

Choose Metaltech guardrail systems for unparalleled reliability. Designed with sturdy bases, galvanized steel brackets and strong aluminum tubes, these rust- and oxidation-resistant systems remain impervious to rain and withstand temperature variations.

Choose a solution with a 10-year warranty for added peace of mind!

7

REDUCED ADMINISTRATIVE LOAD

Reduce the administrative load of purchasing, maintaining, certifying and inspecting traditional fall arrest systems, along with training employees.

8

COMPLIANCE WITH MAXIMUM SAFETY STANDARDS

Exceed safety standards in the scaffolding field and ensure full compliance with the Building Code and its regulations.

Meets and exceeds these standards :

- ANSI
- NBC*
- CNESST
- CSTC
- RSST
- OBC
- OSHA
- WORKSAFE BC

9

PREVENTION SYSTEM

Use a system that prevents accidents with a guardrail solution instead of a corrective system with harnesses and lanyards.

10

AESTHETIC INSTALLATION

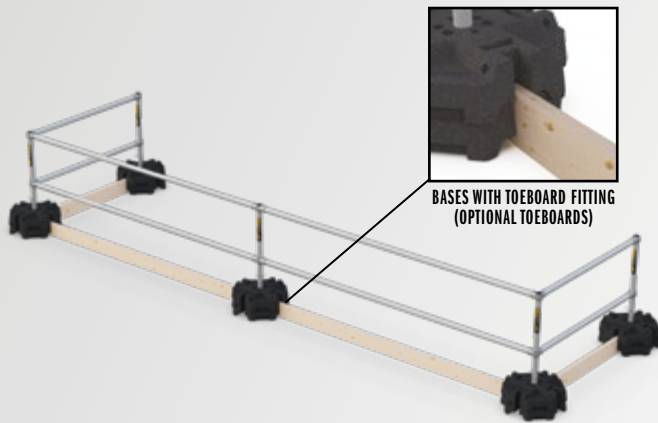
Choose a solution that fits your roof. Practical and durable, the free-standing guardrails are maintenance free and can also be painted.

* Our guardrail system can be used in the construction field and for the maintenance of buildings, excluding houses and small buildings as defined in Article 1.3.3. of Division A of the National Building Code (NBC), which are buildings of no more than 3 floors and having an area of not more than 600 m² for non-industrial use.

VERSATILE INSTALLATION SYSTEMS TO MEET YOUR NEEDS

METALTECH OFFERS TWO SYSTEMS WITH MULTIPLE ADVANTAGES!

THE STANDARD AND THE STACKABLE INSTALLATIONS CAN ALSO BE COMBINED TO PROVIDE THE BEST SOLUTION FOR YOUR NEEDS.



STACKABLE



SYSTEM

The Stackable installation offers a streamlined and space-efficient solution, easily installed in confined areas. It effectively safeguards workspaces across short and long distances, using counterweights to ensure worker protection.

BENEFITS

- Quick and easy installation
- Adapts to the roof system and obstacles.
- Requires minimal floor space
- The unique design allows for the aluminum poles and wood toe boards to be seamlessly integrated into the bases

WHEN TO USE:

- Ideal for tight spaces
- To encircle skylights and roof access hatches
- To protect workers during snow removal
- To secure the roof for maintenance and inspection



FOOT CLAMP
(OPTIONAL RUBBER)



STANDARD



SYSTEM

The "Standard" installation offers a linear configuration. It is your best solution to protect a wide perimeter temporarily or permanently.

BENEFITS

- Requires fewer bases per linear foot
- Perfect solution for securing roof access ladders
- Offers better load distribution
- Adds less weight on the building structure
- Aluminum or wood toeboard can be screwed directly behind the foot clamp

WHEN TO USE:

- To secure a long distance
- On a roof with a slight slope





FENCE COUNTERWEIGHT

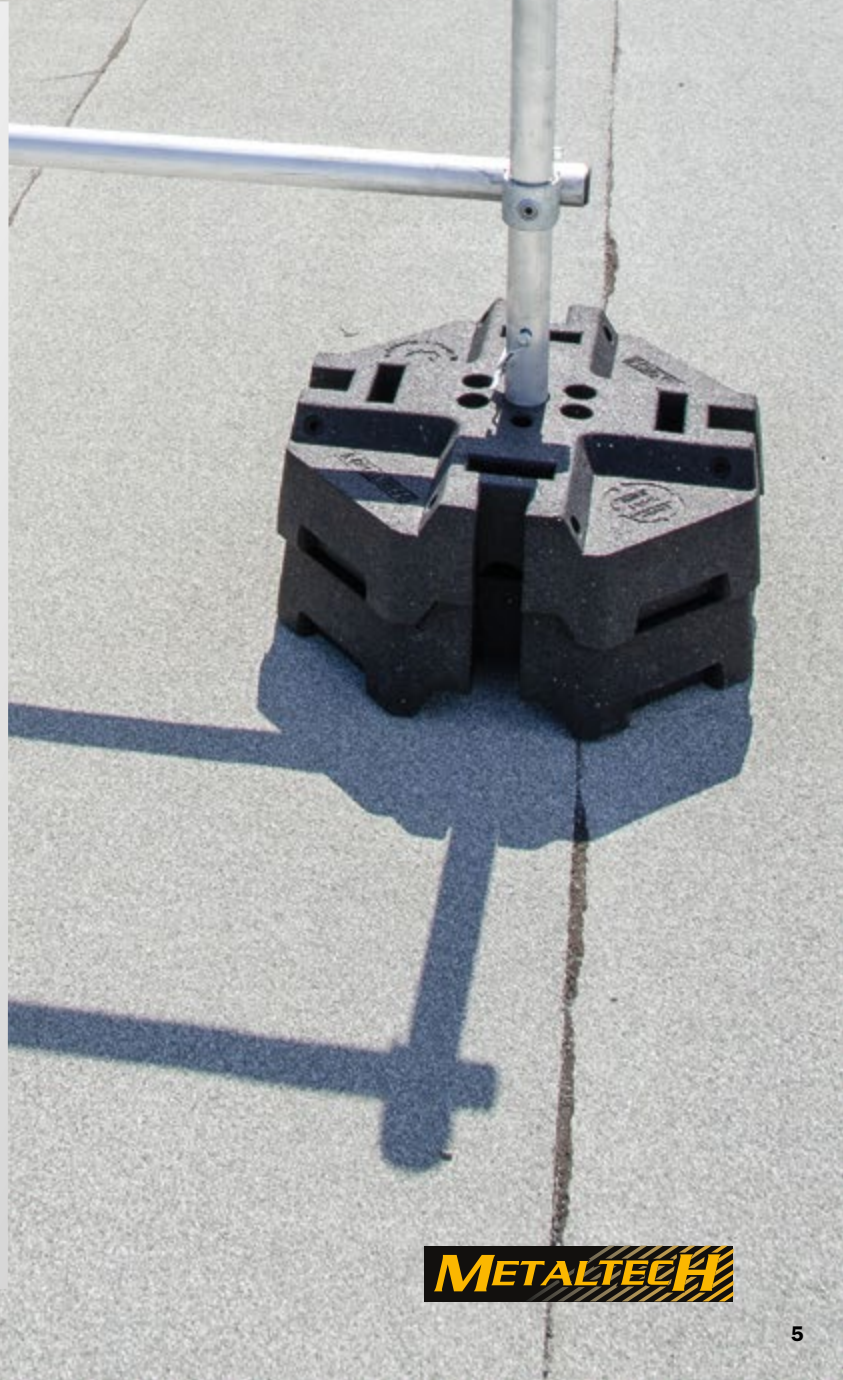
The guardrail rubber bases can also be used to stabilize the base of the Metaltech temporary fence system. Take advantage of this versatility and enjoy the many benefits of this innovation.

BENEFITS

- Increased grip on the ground
- Effective counterweight for better stability reducing the number of stabilizers needed
- More durable installation
- Minimize the need for readjustments of the fence system
- Avoid drilling in concrete or ground

WHEN TO USE:

- To replace concrete blocks or sandbags
- For fences located in wind corridors
- For fence systems with privacy netting





WARNING LINE

A warning line serves as a visual and physical barrier to indicate the proximity to a potentially hazardous area, such as the roof edge. The warning line is a proactive measure to enhance safety and minimize the risk of accidents when working at heights.

BENEFITS

- Durable and resistant
- High visibility
- Quick to setup
- Cost effective solution

WHEN TO USE:

- Snow removal from roofs
- To delimit risk areas and jobsite accesses
- To maintain a 6-foot safe distance from the roof edge.



ACCESS HATCH GUARD

The access hatch guard is a crucial safety feature, made from aluminum and galvanized steel. The door efficiently adjusts from 31 to 46 inches and has a self-closing hinged with a noise-reducing rubber stopper.

BENEFITS

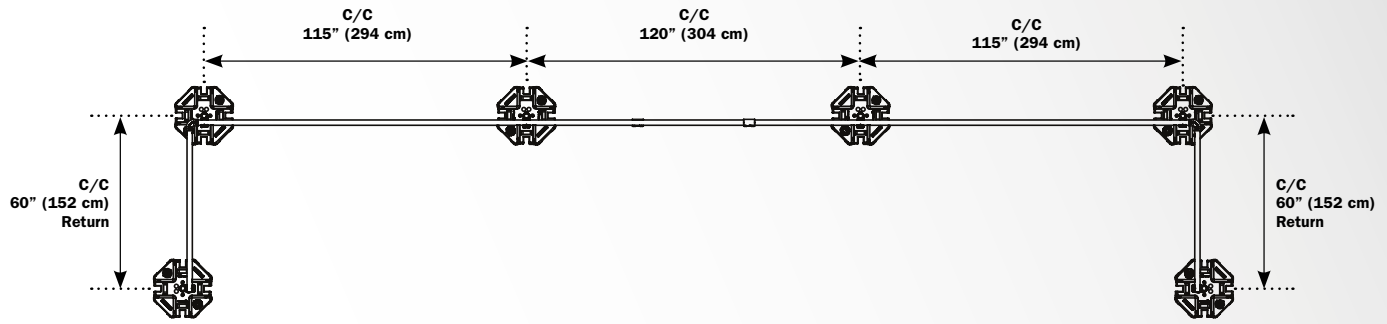
- Installs without perforating roof membrane
- Self-closing hinged door
- 225 lb rating
- Adaptable to any size access hatch
- Quick and easy, permanent and temporary installation
- Multiple installation configurations to meet your specific needs

WHEN TO USE:

- Avoid falling into an access hatch
- Protect a skylight



STACKABLE SYSTEM



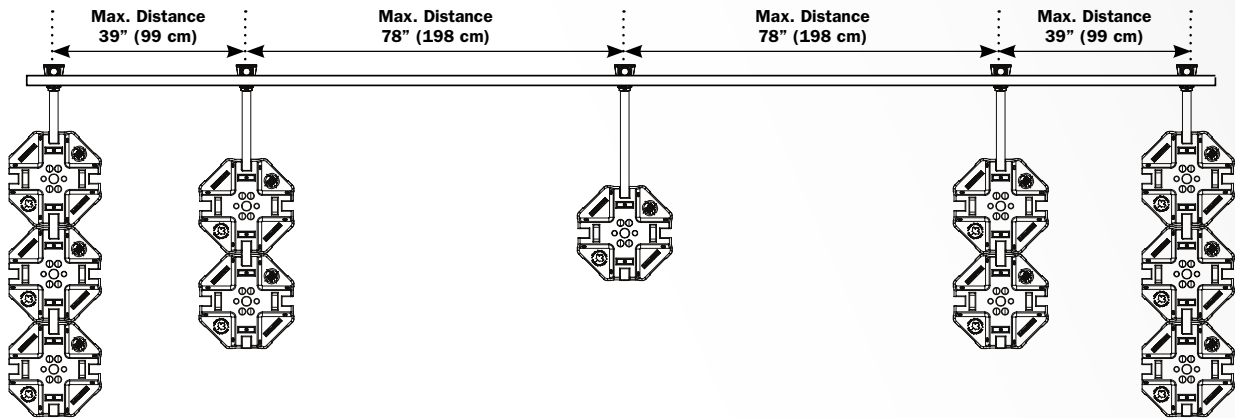
SPECIFICATIONS:

COUNTERWEIGHT BASE	45 Lb. Black recycled rubber.
RAILING AND VERTICAL POST MATERIAL	Ø 1.9" 6061-T6 aluminum - or optional Ø 1.9" steel tube.
CLAMPS/JUNCTIONS	Cast Iron steel galvanized.
SUPPORT	The bases allow the installation of aluminum or wood toeboard directly in the base fittings
SET SCREW TORQUE	30 Lb-ft
TOEBOARDS	Aluminium or wood toeboard can be screwed directly on the base or foot clamp.
WALL CLAMP	Guardrail can be positioned next to a wall.
REGULATIONS/ STANDARDS	NBC, CSTC, CNESST, ANSI, RSST, OBC, OSHA and Worksafe BC
WARRANTY	10 years

DISTANCE/ DIMENSION TO RESPECT WHEN ERECTING THE GUARDRAIL

MAXIMUM DISTANCE BETWEEN 2 VERTICAL POSTS	120"
HEIGHT OF TOPRAIL	42"
HEIGHT OF MIDRAIL	21"
LENGTH OF RETURN REQUIRED AT EACH EXTREMITY AND AT EVERY 40', WITHOUT PARAPET	60"
NUMBER OF BASE THAT CAN BE STACKED	2 or 3
MINIMUM LENGTH	120"

STANDARD SYSTEM



SPECIFICATIONS:

COUNTERWEIGHT BASE	45 Lb. Black recycled rubber.
RAILING AND VERTICAL POST MATERIAL	Ø 1.9" 6061-T6 aluminum - or optional Ø 1.9" steel tube.
CLAMPS/JUNCTIONS	Cast Iron steel galvanized.
SUPPORT	The support are made in galvanized steel, robust and simplified to have the least hardware for installation.
SET SCREW TORQUE	30 Lb-ft
TOEBOARDS	Aluminium or wood toeboard can be screwed directly behind the foot clamp.
FOOT CLAMP ANGLE	0 and 11 deg. For low slope roof.
WALL CLAMP	Guardrail can be positioned next to a wall.
REGULATIONS/ STANDARDS	NBC, CSTC, CNESST, ANSI, RSST, OBC, OSHA and Worksafe BC
WARRANTY	10 years

DISTANCE/ DIMENSION TO RESPECT WHEN ERECTING THE GUARDRAIL

MAXIMUM DISTANCE BETWEEN EXTREMITY OF COUNTERWEIGHT (2 & 3 BASES)	39"
MAXIMUM DISTANCE BETWEEN COUNTERWEIGHT OF 1 OR 2 BASES.	78"
HEIGHT OF TOPRAIL	42"
HEIGHT OF MIDRAIL	21"
RETURN NEEDED	No
MAXIMUM CORNER VERTICAL POST DISTANCE	12"
MINIMUM LENGTH	120"
EXTENSION ELBOW	Optional at extremity, up to 20" long.

SAFETY GUARDRAIL SYSTEMS

Fill in with your information
and the details of your project.

Send it by email to:

customerservice@metaltech.co

Date : ____/____/____/ (MM/DD/YYYY)

Delivery date required: ____/____/____/ (MM/DD/YYYY)

COMPANY NAME AND ADDRESS:

Contact person: _____

Telephone: _____

Email: _____

DELIVERY ADDRESS:

Contact person: _____

Telephone: _____

Email: _____

INSTALLATION REQUIRED

You can check more than one type
for a combined installation.



Standard



Stackable



**Warning
Line**

Don't know

INFORMATION ABOUT YOUR ROOF AND YOUR BUILDING

Length (ft.): _____ Width (ft.): _____ Building height (ft.): _____

Roof cover type: _____

Number of corners (90°): ____ Number of corners (variable angles): ____

Power lines: ☐ Yes ☐ No Distance from the power lines (ft.): _____

Number of security doors required: ____

INSTALLATION

Installation required: ☐ Yes ☐ No

Boom truck available for delivery on the roof: ☐ Yes ☐ No

ADDITIONAL COMMENTS ON YOUR PROJECT

PLEASE PROVIDE A DRAWING OF YOUR PROJECT (DIMENSIONS, AREA TO BE PROTECTED, SECURITY DOOR, SKYLIGHT, ACCESS HATCH AND OTHER).

SAFE AND ADAPTABLE FALL PREVENTION



GOING PAPERLESS?



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a digital version (PDF)



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