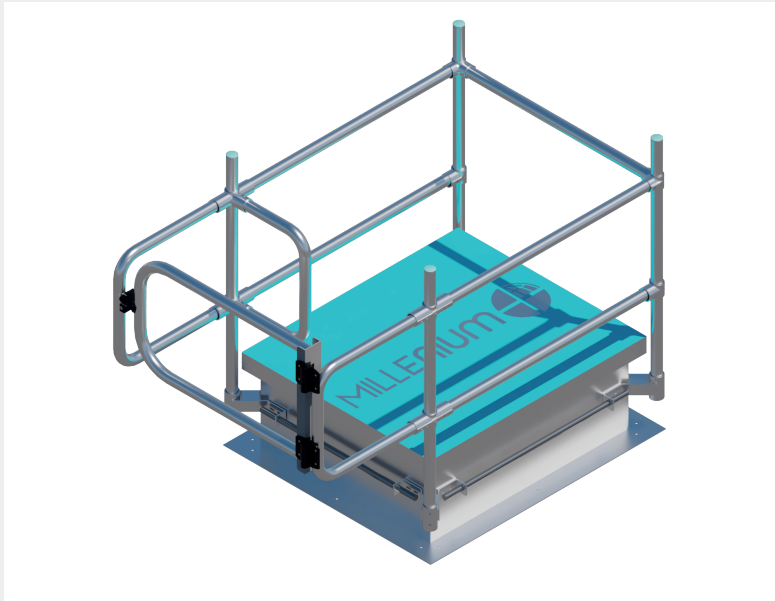




PRODUCT TECHNICAL DATA SHEET

General Description

Millenium fixed guardrails are designed to provide fall protection on roofs, technical platforms, access hatches, and other elevated surfaces requiring permanent safety. The system is made of structural aluminum and designed to meet the requirements of commercial, institutional, and industrial environments.

Guardrail for Access Hatch

The access hatch is one of the most common ways to access a roof. However, when left open, it can pose a significant fall hazard. The Millenium access hatch guardrail is designed to improve safety around the hatch while facilitating entry and exit thanks to its integrated handle. This system provides a simple and effective solution to secure roof access in commercial, industrial, and institutional buildings.

The system surrounds the hatch area and integrates a safety gate to ensure user protection during access, maintenance, or inspection operations on the roof.

Materials

Posts and rails: Structural aluminum tube 6061-T6, schedule 40 (48 mm / 1.9 in outside diameter and 3.7 mm / 0.145 in wall thickness). Aluminum provides excellent mechanical strength and high corrosion resistance.

Finish

All components can be painted according to the client's choice to integrate with the building architecture. Parts may be supplied with a powder-coated finish in the color specified by the client. The RAL color code must be provided at the time of order.



Base Plate Protection

All base plates are protected by a non-slip rubber coating to protect roof membranes and installation surfaces. The protection inserted under the plate has a thickness of 19.05 mm (3/4 in).

Assembly Components

Assembly components consist of cast aluminum 535 unions with threaded holes and stainless steel tightening nuts to ensure a strong and durable connection.

Available union types:

- Elbow: 90-degree corner piece
- Joints: straight union, "T" union, or "Y" union
- Wall mounting base: fixing piece receiving the rail tube

Product Types and Mounting Systems

Side Mount Fixings ("bottles") – Side Mount Installation

Mounting system allowing lateral anchoring when the guardrail cannot be installed on the top surface.

Typical applications:

- Platforms with edges and access hatches
- Structures where floor space is limited
- Installations requiring clearance on the walking surface

These fixings allow a solid installation without encroaching on the walking surface.

Features of the Access Hatch Guardrail

- Adapts to access hatches of all sizes
- Attaches to the hatch without damaging the roof membrane
- Lightweight aluminum pipes resistant to rust
- Adjustable aluminum self-closing safety gate included
- Integrated handle for easier entry and exit
- Quick and easy installation
- 10-year warranty
- Made in Quebec
- Complies with RSST, NBC and OSHA standards

Standards and Compliance

Millenium guardrails are designed to withstand vertical and horizontal loads in accordance with the following standards:

- National Building Code (NBC) art. 4.1.5.14 and art. 9.8.8.2
- RSST Chapter S-2.1, r.13, art.12 – Guardrails
- CSA S269.2 Sections 6.6.1 and 6.6
- OSHA – guardrail safety requirements

Quality and Manufacturing

The manufacturing process is carried out in accordance with an ISO 9001 quality management system. All welds are performed according to CWB (Canadian Welding Bureau) standards

Technical Notes

All dimensions shown on drawings are provided for information purposes only. Actual conditions may differ from drawings. Dimensions and part types may be adjusted on site if required to ensure compliant and safe installation.