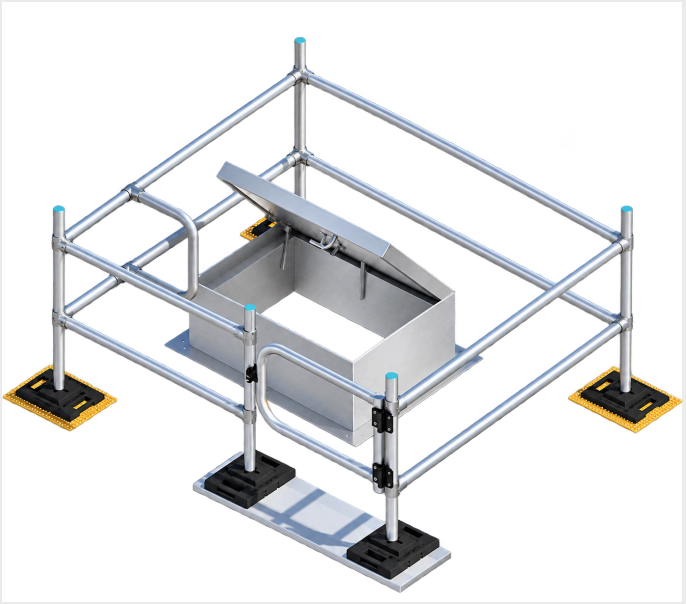
FREESTANDING ACCESS HATCH GUARDRAIL – CITADELLE



PRODUCT TECHNICAL DATA SHEET

General Description

Millenium freestanding access hatch guardrail surrounds the roof hatch with an aluminum guardrail supported by weighted plates. No fastening to the hatch or penetration of the roof membrane is required. A self-closing safety gate controls the entrance, while an access handle assists users entering and leaving the hatch.

Guardrail for Access Hatch

An open access hatch presents a fall hazard, whether located near the roof edge or in the middle of the roof, and requires protection. The Millenium guardrail surrounds the opening, while its integrated handle facilitates entry and exit.

The guardrail is 42 in (1,067 mm) high and custom-made to suit the hatch dimensions.

Materials

Posts and rails: Structural aluminum tubes, alloy 6061-T6, schedule 40, with a 1.9 in (48 mm) outside diameter and a 0.145 in (3.7 mm) wall thickness. Plastic end caps close the exposed tube ends. Aluminum combines excellent mechanical strength with high corrosion resistance.

Connections: Cast aluminum alloy 535 fittings connect the posts and rails. Stainless steel set screws tighten against the tubes to secure the connections.

Freestanding bases and membrane protection: Stackable ballast plates made of ASTM A-48 class 30 cast iron, each weighing 41.7 lb (18.91 kg) and measuring 12 × 16 in (305 × 406 mm).

The weighted plates support the guardrail without penetrating the roof membrane or requiring attachment to the hatch. Protective mats placed beneath the plates help prevent damage to the roof membrane and underlying installation surfaces.

Head Office – Quebec
3200, 2e Rue
Saint-Hubert (QC) J3Y 8Y7

Ontario
27 Melanie Dr.
Brampton (ON) L6T 4K8

Maritimes
559, ch. Cocagne Sud
Cocagne (NB) E4R 2K2

REV:2026.10.20
1 833 454-3176
millenium.plus

FREESTANDING ACCESS HATCH GUARDRAIL – CITADELLE

Features of the Access Hatch Guardrail

- Custom-made to suit the dimensions of the access hatch
- 42-inch (1,067 mm) guardrail height
- Freestanding, non-penetrating system with weighted base plates
- Lightweight aluminum pipes resistant to rust
- Adjustable aluminum self-closing safety gate included
- Integrated handle for easier entry and exit
- Quick and easy installation
- Made in Quebec

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.

Standards and Compliance

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

- National Building Code (NBC), articles 4.1.5.14 and 9.8.8.2
- RSST, Chapter S-2.1, r.13, article 12 - Guardrails
- CSA S269.2, sections 6.6.1 and 6.6.2
- Ontario Building Code 4.1.5.14
- OSHA – guardrail safety requirements

Quality, Manufacturing and Warranty

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.

The system includes a one (1) year warranty on paint finish and a ten (10) year warranty on all materials, starting from the date of purchase.

Head Office – Quebec
3200, 2e Rue
Saint-Hubert (QC) J3Y 8Y7

Ontario
27 Melanie Dr.
Brampton (ON) L6T 4K8

Maritimes
559, ch. Cocagne Sud
Cocagne (NB) E4R 2K2

REV:2026.10.20
1 833 454-3176
millenium.plus