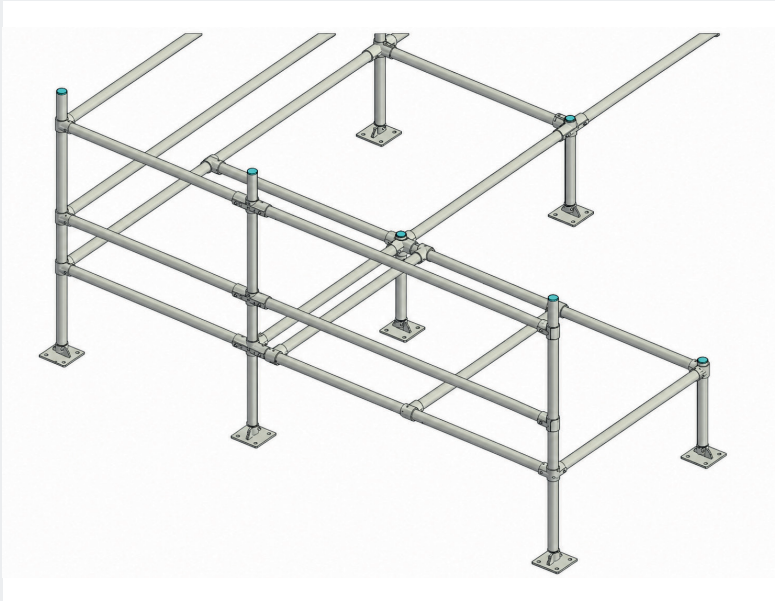




PRODUCT TECHNICAL DATA SHEET

Product identification

Product : Fixed Aluminum Guardrail System

Manufacturer : Millennium

Intended Use : Architects, engineers, and building managers

System description

Millennium fixed guardrails are designed to provide fall protection on rooftops, mechanical platforms, and secured areas requiring permanent safety solutions. The system is manufactured from structural aluminum and engineered for commercial, institutional, and industrial environments.

Materials

Posts and rails: Aluminum 6061-T6 tubing, Schedule 40 (48 mm / 1.9 in outside diameter, 3.7 mm / 0.145 in wall thickness).

Finish

All components can be powder-coated or painted according to client specifications. RAL color code must be provided at time of order.



Base protection

All base plates are protected with anti-slip rubber coating. Integrated protection pad thickness: 19.05 mm (3/4 in).

Assembly components

Aluminum alloy 535 cast connectors with threaded holes and stainless-steel tightening inserts.

Available connections:

- 90° elbow
- Linear, T-shape, and Y-shape joints
- Wall mounting base for rail connection

Standards and compliance

Designed to withstand vertical and horizontal loads in accordance with:

- National Building Code (NBC) – Articles 4.1.5.14 & 9.8.8.2
- RSST S-2.1, r.13, art.12
- CSA S269.2 Sections 6.6.1 & 6.6

Quality and certifications

Manufacturing is performed under ISO 9001 certified quality management systems.

All transformations are carried out in an ISO 9001 certified facility.
All welds comply with CWB (Canadian Welding Bureau) standards.

Technical notes

All dimensions shown are for reference only. Field conditions may vary. Adjustments to dimensions and components may be required on-site to ensure proper installation and compliance.