



One Rail. Every Geometry.

FlowRail — The first prefabricated aluminum guardrail that adjusts in the field

FlowRail is one aluminum guardrail system built for real-world geometry. It adjusts in the field to slopes, curves, and grade changes — no custom fabrication, no welding.

FlowRail, a new OSHA-compliant aluminum guardrail system. One rail. Infinite possibilities. FlowRail is the first prefabricated guardrail that adjusts continuously in the field — across slopes, curves, corners, and grade changes — without slope-specific fittings, custom fabrication, or on-site welding.

Real ramps and walkways have slopes, curves, and corners. Most guardrail systems don't. A continuously adjustable base moves from 0° to 20°, so posts stay plumb on any ramp, walkway, or platform. Pivoting connections follow curves, corners, switchbacks, and grade changes — without splice castings, custom fittings, or shop drawings. One product line covers the run.

Our Service

- Quick project quotation
- Engineering support
- Layout drawings for each project
- Project management
- Professional installation

BIM files and specifications can be found at:
<https://upsideinnovations.com/resources/>



Features



OSHA compliant

Meets OSHA 1910.29 and 1926.502.



100% aluminum

Long-lasting — 6061 / 6063 aluminum, mill or powder-coated.



Easy installation

Bolts together. No field welding, no hot-work permits.



The most adjustable guardrail ever built

0°–20° base; pivoting connections for curves, corners, and switchbacks.



Mounting options

Top mount for ramps and decks; side mount for vertical concrete or metal substrates.



In stock, ready to ship

Domestic production, no tariff exposure.



call us at
877-959-4472
visit us online
upsideinnovations.com

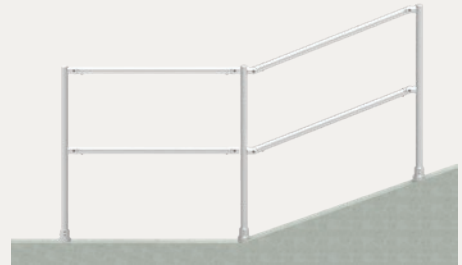
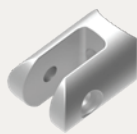
HOW IT WORKS



SLOPELOCK — Slope adjustable base

The top-mount base is the adjustable, slope-handling base of FlowRail. It bolts to the top surface of a ramp, platform, walkway, or deck.

Base adjustability - 0° to 20°, continuously adjustable to any slope

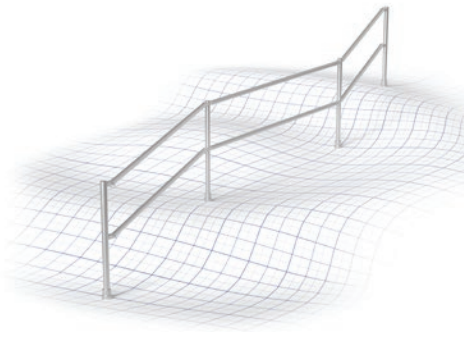
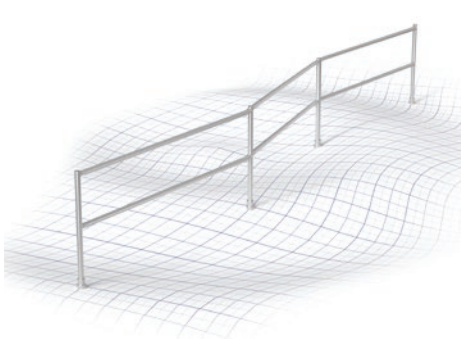


FLOWJOINT — Post connection system

A self adjusting top rail and mid rail trunnions that connect to each post. It is the source of FlowRail's adjustability and the reason the system can follow curves, corners, switchbacks, and odd-angle conditions without custom fabrication.

Adjustability - Multi-axis pivoting trunnions and slotted posts follow curves, corners and adjusts to slopes.

FlowRail uses its adjustable base and pivoting post connections to adapt continuously across uneven elevations. Posts stay vertical, rails stay aligned, and the entire run bolts together without hot work or production shutdowns.



PRIMARY APPLICATIONS

- Loading ramps and dock ramps — sloped vehicle and pedestrian access.
- Equipment platforms — generator pads, tank platforms, pump skids.
- Elevated walkways and catwalks - connecting runs above grade.
- Mezzanines — interior elevated work platforms.
- Industrial stair landings and switchback runs.
- Dock transitions — between elevation changes at loading bays.
- Outdoor pedestrian walkways and connector ramps.

