Industrial Pedestrian Guardrail RFQ Datasheet

Modular steel or project-approved FRP separation barriers for warehouses, plants and equipment zones

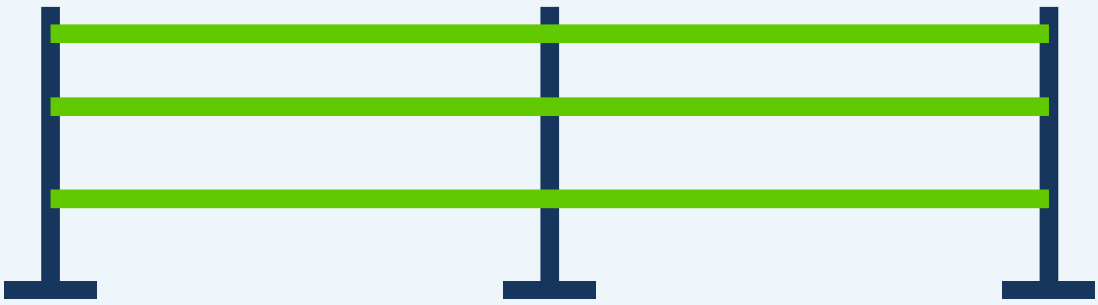
Document	Value
Document code	QY-IGR-DS-01
Revision / date	Rev. 1.0 / 24 Jul 2026
Intended use	RFQ definition and submittal control for non-highway pedestrian separation
Status	Controlled customer reference; project data remains subject to approved submittals

Evidence boundary. No impact-energy, vehicle-containment, crash-test or patented energy-absorption claim is made. A barrier is not rated until the exact system, anchors, substrate and test/design evidence are approved.

Use rule: Never release a quotation, fabrication drawing, installation instruction or compliance statement from this guide without a project-specific technical review.

Engineering clarity • RFQ completeness • traceable evidence

1. Intended function



Example 3-rail layout — dimensions and impact duty are project-defined

- Define pedestrian routes and equipment exclusion zones.
- Provide a visible, maintainable physical boundary around process areas.
- Support modular straight runs, corners, returns, gates and removable sections.
- Use as an engineered impact barrier only when project loads and supporting evidence are supplied.

This product family is not a highway guardrail, fall-protection guardrail or handrail unless the exact project design demonstrates compliance with the governing requirements.

Configuration choices

Feature	Options to define
Posts	Steel tube / fabricated steel / FRP profile; base-plated or embedded
Rails	1, 2 or 3 rails; tube/profile size; horizontal spacing
Finish	Hot-dip galvanized, powder-coated, duplex or project-specified
Corners	Inline, 90°, variable angle or custom return
Access	Swing gate, removable rail, lift-out section or no access
Visibility	Color, reflective marking and floor interface

2. Project data and design interface

Input	Project entry
Protected people / asset	_____
Vehicle / equipment type	_____
Mass, speed and approach angle	_____
Required design load or test level	_____
Barrier height / rail count	_____
Post spacing / run geometry	_____
Substrate type and thickness	_____
Concrete strength / reinforcement scan	_____
Environment / chemicals / UV	_____
Required finish / color	_____
Governing code / owner standard	_____

Anchor interface

Anchor selection must use design actions, cracked/uncracked concrete condition, edge distance, spacing, embedment, base plate stiffness and the approved anchor data. A torque value alone is not proof of capacity.

3. Controlled submittal schedule

Submittal	Minimum content
General arrangement	Run lengths, corners, gates, clearances and interfaces
Fabrication drawing	Profiles, welds, holes, plates, tolerances and part IDs
Anchor schedule	Anchor type, approval, diameter, embedment, hole cleaning and torque
Material / finish	Grades, certificates, coating system and inspection
Design / test evidence	Exact configuration, load case, boundary conditions and acceptance
Installation plan	Survey, scanning, exclusion zone, sequence and inspection
Handover	As-built drawing, inspection record, maintenance plan and damaged-part rules

Acceptance rule

Any numerical impact capacity, energy rating or deflection limit must appear only when it is supported by an exact, traceable QY/supplier test report or a project design calculation reviewed by the responsible engineer.

4. RFQ release checklist

- Function and excluded uses stated.
- Layout, loads, substrate and environment complete.
- Exact material, finish, welding and fastener requirements stated.
- Anchors selected from approved design data.
- Evidence status labelled: tested, calculated, supplier-supported or not yet verified.
- Inspection, maintenance and replacement rules agreed.

Approval field	Name / date / reference
Prepared by	_____
Technical review	_____
Customer/designer approval	_____
Approved drawing	_____
Evidence attached	_____

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