

VH INTERMEDIATE RAIL BRACKET

GRXRLS15

TECHNICAL SPECIFICATION

GROXX LOAD-BEARING INTERMEDIATE RAIL BRACKET | GRXRLS15 STRUCTURAL ANCHOR COMPONENT

The **Groxx GRXRLS15** is a high-strength, load-bearing intermediate bracket designed for the **HVB Rail Lifeline System** (Horizontal, Vertical, and Bevel). It serves as a critical structural interface, facilitating track positioning and providing the necessary load transfer from the rigid rail to the concrete substrate or primary structure.

CORE PERFORMANCE FEATURES

- Advanced Load Transfer:** Engineered to transfer dynamic fall arrest forces directly to the concrete substrate while maintaining strict deflection control and stability restraint for the rail.
- Dual-Point Clamping:** Features a specialized dual-point clamping mechanism that ensures maximum rail stability and prevents rotation or shifting under high-velocity transit.
- Stability & Precision:** Designed to strictly control the spacing and precision of the rail installation, which is vital for the smooth passage of traveler shuttles across multi-span layouts.
- Adjustable Installation:** The bracket architecture allows for fine-tuned adjustments during mounting, ensuring the rail remains perfectly aligned regardless of minor substrate irregularities.



TECHNICAL SPECIFICATIONS

FEATURE	SPECIFICATION
Model Number	GRXRLS15 (Ref: AD2511290001)
Material Composition	Stainless Steel Bracket (304) with Aluminum Alloy Base (AL)
Safe Load Capacity	12 kN
Safety Factor	1.5
Unit Weight	837 g
Width (B)	70 mm
Height (H)	58.4 mm
Length (L)	190 mm

STRUCTURAL INTEGRITY & DURABILITY

- Hybrid Material Engineering:** Combines the high tensile strength of **304 Stainless Steel** for the structural bracket with a lightweight, corrosion-resistant **Aluminum Alloy** base.
- Anti-Loosening Design:** Features reinforced anti-loosening hardware to maintain structural torque and reliability over long-term exposure to vibration and environmental stress.
- Substrate Compatibility:** For concrete slab applications, the GRXRLS15 is typically secured using the **GRX851 Chemical Anchor** system to ensure a high-strength molecular bond.

COMPLIANCE & STANDARDS

The **GRXRLS15** is rigorously tested to meet global rigid rail safety benchmarks:

- EN 795:2012 Type D:** Certified as an anchor component for rigid anchor lines (Rated for 1 user).
- CEN/TS 16415:2013:** Compliant for multi-user safety applications, supporting up to 3 users simultaneously.
- Validity Period:** Rated for a 10-year service life, supported by mandatory annual professional inspections.

THE GROXX ADVANTAGE

The **GRXRLS15** provides the heavy-duty structural support required for complex HVB rail systems. Its unique dual-point clamping and adjustable installation features allow maintenance teams to create a highly stable, precise, and reliable fall protection path on even the most challenging architectural facades.