

RAIL SLIDER

GRXRLS12

TECHNICAL SPECIFICATION

GROXX HORIZONTAL RAIL TRAVELER

The **Groxx GRXRLS12** is a high-performance horizontal rail traveler engineered to function as a mobile anchor point within a rigid rail fall protection system. It provides a seamless connection between the user's personal fall protection equipment (PFPE) and the rail, allowing for unrestricted lateral movement across the workspace.

CORE PERFORMANCE FEATURES

- **Low-Resistance Kinematics:** Equipped with a precision roller and bearing structure, the GRXRLS12 ensures smooth, continuous sliding along the rail with minimal physical effort from the user.
- **Bypass Capability:** The traveler is specifically designed to pass through intermediate rail supports without the need for disconnection, ensuring 100% tie-off safety throughout the entire length of the system.
- **Anti-Detachment Security:** Engineered with a high-integrity structural housing that ensures the traveler remains securely captured by the rail profile at all times, even under dynamic fall loads.
- **Universal Connection:** Features a robust attachment eye compatible with standard carabiners, safety harnesses, and self-retracting lifelines (SRLs).

TECHNICAL SPECIFICATIONS

FEATURE	SPECIFICATION
Model Number	GRXRLS12
Material Composition	AISI 304 Stainless Steel / ABS / Aluminum (AL)
Safe Load Capacity	12 kN
Safety Factor	1.5
Unit Weight	890 g
Dimensions (B x H x L)	96.7 mm x 93.5 mm x 101 mm

MATERIAL SCIENCE & DURABILITY

- **Hybrid Construction:** Utilizes **316/304 Stainless Steel** for load-bearing components to ensure maximum tensile strength and **ABS/Aluminum** for the outer housing to reduce weight without compromising impact resistance.
- **Environmental Protection:** All internal bearings and rollers are treated for high-level corrosion resistance, suitable for both indoor industrial environments and outdoor architectural applications.
- **Longevity:** Provided with a **10-year validity period**, supported by mandatory annual professional inspections to verify bearing integrity and gate security.

COMPLIANCE & STANDARDS

The **GRXRLS12** is rigorously tested to meet global safety benchmarks for mobile horizontal anchor devices:

- **EN 795:2012 Type D:** Certified as a mobile anchor point for use on rigid anchor lines (Rated for 1 user).
- **CEN/TS 16415:2013:** Tested and compliant for single-user fall arrest applications within a multi-user system architecture.
- **GB 38454-2019:** Meets Chinese national standards for horizontal fall protection equipment.

THE GROXX ADVANTAGE

The **GRXRLS12** traveler is the critical link in any horizontal rigid rail system. Its "hands-free" bypass technology and low-friction rollers allow maintenance teams to focus on their task rather than their safety gear, providing a superior user experience without sacrificing structural reliability.

