GRXRLS11

RAIL SUPPORT BRACKET



OVERVIEW

The Groxx GRXRLS11 is a high-precision structural component designed to secure rigid safety rails to primary building structures. It serves as a critical control point for managing the span, stiffness, and allowable deflection of the rail system to ensure operational safety during fall arrest events.

KEY FEATURES

- **Structural Regulation**: Effectively controls the span and stiffness of the rigid rail, ensuring that deflection remains within engineered limits for safe user transit.
- **System Guidance**: Classified as a non-load-bearing anchor component, its primary role is providing structural support and guidance rather than directly absorbing fall impacts.
- **Multi-Span Capability**: Engineered to meet the fixing requirements for rigid rails in multi-span installations, allowing for extended lifeline coverage across large structures.
- **Customizable Interface**: The depth of the thread is determined based on the final installation object, providing a tailored fit for various substrate thicknesses.

TECHNICAL SNAPSHOT

PARAMETER	GRXRLS11
Model Number	GRXRLS11 (Ref: AD2501100005)
Material Options	AISI 304 Stainless Steel / High-Grade Aluminum (AL)
EN requirement	Static test 12 kN (18 kN if any load-bearing part is non-metallic), +1 kN per additional user (CEN/TS 16415)
Safe Load Capacity	12 kN
Safety Factor	1.5
Unit Weight	248 g
Width (B)	70 mm
Height (H)	21 mm
Length (L)	100 mm

INSTALLATION & USE

Design Variable Support: Support spacing is variable and must be calculated based on system design parameters, including the total span, number of users, and allowable deflection.

System Integrity: When used in a complete system, the GRXRLS11 works in conjunction with the GGVLSL016 Vertical Shuttle for stable sliding connections along the stabilized rail.

STANDARDS

EN 795:2012 Type D | CEN/TS 16415

> The GRXRLS11 provides the necessary structural backbone for any rigid rail installation. By precisely controlling the stiffness and deflection of the rail, it ensures that intermediate shuttles glide smoothly while maintaining the absolute structural stability required for multi-user fall protection.

FULL DATA SHEET ↗

Product page ↗