GRXRLS10

RAIL CONNECTOR



OVERVIEW

The Groxx GRXRLS10 is a specialized structural component designed to secure rigid rail systems to a variety of substrates. It functions as a critical stabilization point that controls the span, stiffness, and allowable deflection of the rail, ensuring the system operates within its engineered safety parameters.

KEY FEATURES

- **Structural Guidance**: Engineered to maintain the alignment of the rigid rail, providing consistent guidance for the traveler shuttle during horizontal or vertical movement.
- **System Stiffness Control**: By managing the spacing between supports, the GRXRLS10 controls the overall stiffness of the rail system, which is essential for minimizing dynamic oscillations during a fall event.
- **Non-Load-Bearing Classification**: This component is classified as a non-load-bearing anchor, meaning it does not directly withstand primary fall impact forces but provides the necessary structural support for multi-span installations.
- **Versatile Design**: The depth of the thread is customizable based on the final installation object, allowing for precise integration with different building structures.

TECHNICAL SNAPSHOT

PARAMETER	GRXRLS10
Model Number	GRXRLS10
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

Multi-Span Support: Designed to facilitate the installation of long-distance rigid rail systems by providing intermediate stabilization points.

Support Spacing: Proper installation requires that support spacing be determined based on specific system design parameters, including the total span, the number of simultaneous users, and the allowable...

Concrete Interface: For mounting to concrete slabs, this component can be used in conjunction with the GRX851 Chemical Anchor system to ensure a high-strength, permanent bond.

STANDARDS

EN 795:2012 Type D | CEN/TS 16415

> The GRXRLS10 provides the essential structural backbone for any rigid rail installation. Its low-profile design and dual-material construction allow it to blend seamlessly into industrial or architectural environments while maintaining the strict stiffness requirements necessary for high-performance fall protection.

FULL DATA SHEET ↗

Product page ↗