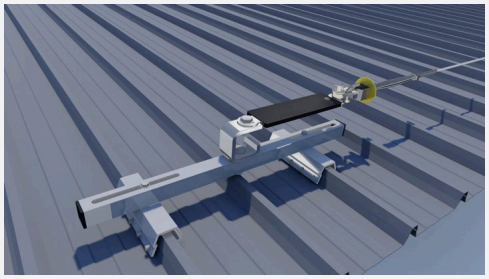
GRXKLHLL

HORIZONTAL LIFELINE ON KLIPLOC ROOF



OVERVIEW

The Groxx GRXKLHLL is a premier, non-penetrative horizontal fall protection solution specifically engineered for Kliplok and concealed-fix roof profiles. This system combines the lightweight strength of structural aluminum with the extreme durability of 316 stainless steel, providing a continuous, multi-user safety line that preserves the structural and watertight integrity of the building envelope.

KEY FEATURES

- **Zero-Penetration Mounting**: The GRXKLHLL utilizes a specialized non-invasive clamping mechanism that grips the Kliplok roof ribs without drilling, rivets, or piercing. This ensures the roof's thermal performance, weatherproofing, and manufacturer warranties remain fully intact.
- **Integrated Energy Management**: At the heart of the system are specialized I-Bracket and H-Frame posts featuring built-in deformation technology.
- **Seamless Navigation**: Equipped with high-performance sliders and aerodynamic intermediate guides, the system allows users to traverse the entire length of the roof, including corners and transitions, without ever needing to disconnect (100% tie-off).
- **Multi-User Capability**: Rigorously tested and rated for up to 4 simultaneous users, making it an ideal solution for large-scale industrial maintenance, HVAC servicing, and rooftop solar panel installations.

TECHNICAL SNAPSHOT

PARAMETER	GRXKLHLL
Model Number	GRXKLHLL
Compatible Substrate	Kliloc & Concealed-Fix Roof Profiles
EN requirement	Static test 12 kN (18 kN if any load-bearing part is non-metallic), +1 kN per additional user (CEN/TS 16415)
Primary Materials	Structural Aluminum & AISI 316 Stainless Steel
Mounting Mechanism	Non-Penetrative Kliloc Rib Clamps
Energy Absorption	Deformable I-Bracket & H-Frame Posts
User Capacity	Up to 4 Simultaneous Users
System Orientation	Horizontal / Surface-Mounted

INSTALLATION & USE

Non-Invasive Attachment: Precision-engineered clamping assemblies secure directly onto the raised seams of the Kliplok profile without puncturing the metal skin, maintaining a 100% leak-proof system.

Structural Safety Margin: Load-distributing base plates ensure peak dynamic forces during a fall arrest event are spread safely across multiple Kliplok ribs.

Corrosion Resistance: Marine-grade 316 stainless steel cable and aluminum components guarantee an extended operational service life in harsh industrial or coastal environments.

STANDARDS

EN 795:2012 Type C | CEN/TS 16415

Designed to EN 795:2012 Type C, CEN/TS 16415. Test certificate on request. The GRXKLHLL Kliplok Lifeline solves the primary challenge of modern metal roof maintenance: providing uncompromising multi-user safety without voiding roof warranties.

FULL DATA SHEET ↗

Product page ↗