

HORIZONTAL LIFELINE ON KLIPLOC ROOF

GRXKLHLL

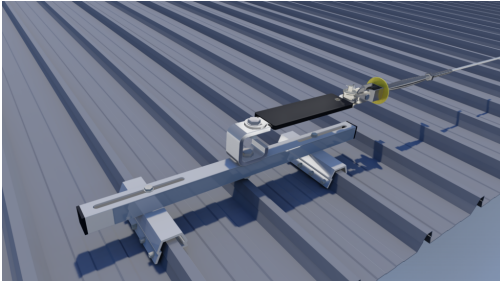
TECHNICAL SPECIFICATION

GROXX KLILOC ROOF LIFELINE | GRXKLHLL NON-PENETRATIVE FALL PROTECTION SYSTEM

The **Groxx GRXKLHLL** is a premier, non-penetrative horizontal fall protection solution specifically engineered for Kliloc 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.

SYSTEM OVERVIEW & PERFORMANCE

- Zero-Penetration Mounting:** The GRXKLHLL utilizes a specialized non-invasive clamping mechanism that grips the Kliloc 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. In the event of a fall, these posts absorb kinetic energy, significantly reducing the impact load transferred to both the worker and the Kliloc roof substrate.
- 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 SPECIFICATIONS

FEATURE	SPECIFICATION
Model Number	GRXKLHLL
Compatible Substrate	Kliloc & Concealed-Fix Roof Profiles
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 & SUBSTRATE INTERFACE

- Non-Invasive Attachment:** Precision-engineered clamping assemblies secure directly onto the raised seams of the Kliloc 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 Kliloc ribs.
- Corrosion Resistance:** Marine-grade 316 stainless steel cable and aluminum components guarantee an extended operational service life in harsh industrial or coastal environments.

THE GROXX ADVANTAGE

The **GRXKLHLL Kliloc Lifeline** solves the primary challenge of modern metal roof maintenance: providing uncompromising multi-user safety without voiding roof warranties. By combining non-penetrative clamping technology with dynamic shock-absorbing posts, Groxx delivers a streamlined, low-maintenance safety asset built specifically for Kliloc roof architectures.