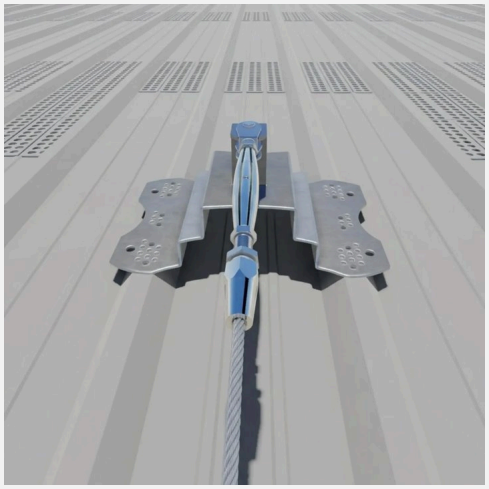
GRXTHLL

HORIZONTAL LIFELINE ON TRAPEZOIDAL ROOF

Also used in HL



OVERVIEW

The Groxx Gears Trapezoidal Roof Lifeline is a specialized fall protection solution engineered specifically for modern industrial metal roofs. Designed to absorb energy and distribute loads across thin-gauge trapezoidal profiles, this system provides workers with a continuous, secure anchorage point while maintaining the structural and watertight integrity of the roof.

KEY FEATURES

- **Base Anchor Plates**: Multi-hole pattern design to fit a wide variety of trapezoidal rib widths (standard 250mm to 400mm centers).
- **Tensioning Unit**: Stainless steel swaged tensioner with an integrated visual indicator to ensure the line is correctly calibrated.
- **Intermediate Guides**: Aerodynamic pass-through brackets that prevent cable sag and wind-chatter without hindering movement.
- **Extremity Brackets**: Reinforced end-posts designed to handle the start and finish tension of the system.

TECHNICAL SNAPSHOT

PARAMETER	GRXTHLL
Material (Posts & Base)	316 Stainless Steel
Lifeline Cable	8mm 7×19 Grade 316 Stainless Steel Wire Rope
EN requirement	Static test 12 kN (18 kN if any load-bearing part is non-metallic), +1 kN per additional user (CEN/TS 16415)
User Capacity	Up to 4 users per span (System dependent)
Min. Sheet Thickness	0.5mm (Steel)
Min. Breaking Strength	22 kN
Compliance	EN 795:2012 Type C & TS 16415:2013

INSTALLATION & USE

Integrated Energy Absorption: Each mounting post features built-in deformation technology.

Continuous Hands-Free Access: Utilizing a specialized slider, users can navigate the entire length of the system—including corners and intermediates—without ever having to disconnect from the line.

Watertight Integrity: Supplied with high-density EPDM base gaskets and specialized seals to ensure the roof remains 100% leak-proof after installation.

STANDARDS

EN 795:2012 Type C | CEN/TS 16415

> The Groxx Gears Trapezoidal system is the "smart choice" for facilities management. It balances lightweight design with extreme durability.

FULL DATA SHEET ↗

Product page ↗