

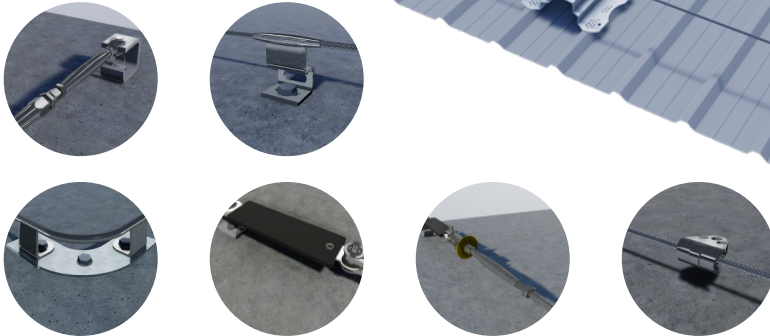
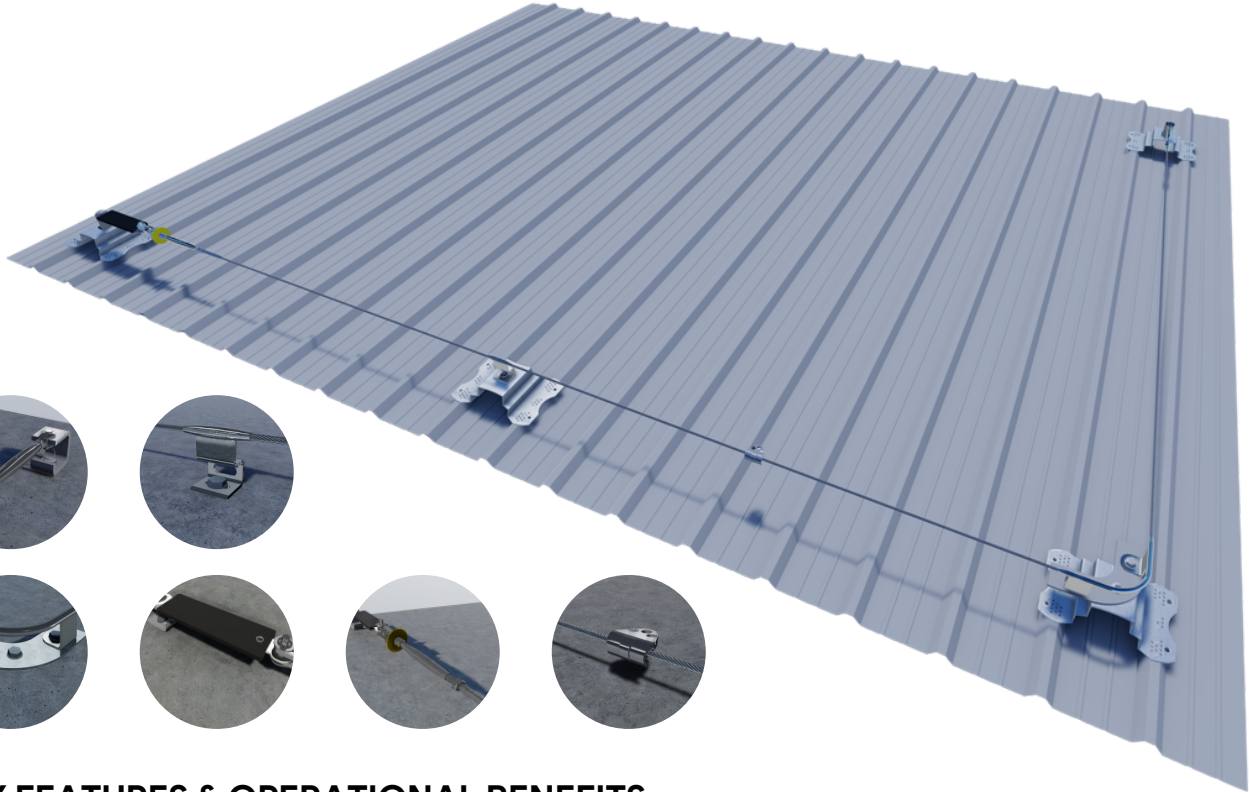
HORIZONTAL LIFELINE ON TRAPEZOIDAL ROOF

GRXTHLL



TECHNICAL SPECIFICATION

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 & OPERATIONAL BENEFITS

- **Non-Invasive Installation:** Engineered to fasten directly to the roof's trapezoidal ribs using high-strength rivets or self-drilling fasteners, eliminating the need for bulky structural sub-frames.
- **Integrated Energy Absorption:** Each mounting post features built-in deformation technology. In the event of a fall, the post "tips over" and deforms to dissipate energy, protecting both the worker and the delicate roof sheets from catastrophic damage.
- **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.
- **Corrosion Resistant:** All components are manufactured from Grade 304 or 316 Stainless Steel and high-grade Aluminum to withstand harsh environmental exposure.

MATERIAL (POSTS & BASE)

316 Stainless Steel / 6061-T6 Aluminum

MIN. SHEET THICKNESS

0.5mm (Steel) / 0.7mm (Aluminum)

LIFELINE CABLE

8mm 7×19 Grade 316 Stainless Steel Wire Rope

MIN. BREAKING STRENGTH

22 kN

USER CAPACITY

Up to 3 users per span (System dependent)

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SYSTEM COMPONENTS

- 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.

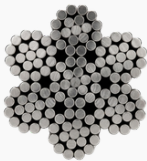
COMPONENTS



**GROXX
TRAPEZOIDAL
BASE PLATE POST**
GGTP008



G-ANCHOR
GGAP001



**7 X 19 STAINLESS
WIRE ROPE**
GGSWR316



**SWAGED
TENSIONER**
GGJT003



**SWAGELESS
CABLE EXTREMITY**
GGSM005



**GO SHOCK
ABSORBER**
GGSA050



G-BRACKET
GGIB006



EN 795:2012 Type C
& TS 16415:2013

USED IN INDUSTRY

