GGIMEA053

GROXX TRAPEZOIDAL ROOF INTERMEDIATE ANCHOR | GGIMEA053 INTERNAL POST



OVERVIEW

The Groxx GGIMEA053 (formerly AA2602060005) is a streamlined, internal-post anchorage solution specifically designed to serve as an intermediate support for horizontal lifeline systems on trapezoidal roofs. By elevating the connection point above the roof ribs, it ensures smooth traveler movement while distributing lateral and vertical loads across the profiled metal substrate.

KEY FEATURES

- **Elevated Point-of-Contact**: The vertical internal post suspends the lifeline connection point above the roof profile, preventing cable drag and protecting the roof's standing seams or ribs from abrasive wear.
- **Optimized Load Distribution**: Engineered with a wide-span baseplate ( ), the unit effectively disperses forces across multiple ribs of the trapezoidal sheet, minimizing localized stress on the metal skin.
- **Advanced Waterproofing**: The system utilizes heavy-duty waterproof gaskets placed between the baseplate and the roofing substrate. When combined with EPDM-sealed fasteners, it ensures a leak-proof termination that maintains the building's envelope integrity.
- **Precision Engineering**: Featuring high-standard industrial welding, the post is designed to remain perpendicular to the direction of force, ensuring the structural assembly maintains its rated capacity during a dynamic fall event.

TECHNICAL SNAPSHOT

PARAMETER	GGIMEA053
Product Code	GGIMEA053
Material	AISI 316 Stainless Steel
EN requirement	Static test 12 kN (18 kN if any load-bearing part is non-metallic), +1 kN per additional user (CEN/TS 16415)
System Weight	2.85 kg
Safe Load Capacity	8 kN (on 0.45mm sheet) / 10 kN (on 0.63mm panel)
Total Height	254 mm (Internal Post: 187 mm)
Baseplate Footprint	360 mm x 380 mm
User Rating	Up to 4 Users

INSTALLATION & USE

Substrate Compatibility: Specifically designed for single-skin profiled metal sheets (min. 0.45mm) and the top skin of sandwich panels (min. 0.63mm).

Fixing Requirements: Secured using 8 AL Sealed Blind Rivets ( ).

Versatile Mounting: Compatible with a wide range of structural purlin systems, including Z/C-sections, H-beams, and steel trusses.

STANDARDS

EN 795:2012 Type C | CEN/TS 16415

Designed to EN 795:2012 Type C, CEN/TS 16415. Test certificate on request. The GGIMEA053 Internal Post Anchor offers a lightweight yet incredibly robust intermediate solution for modern metal roofs.

FULL DATA SHEET ↗

Product page ↗