

LINEAR BRACKET

GGLB054

TECHNICAL SPECIFICATION

GROXX LINEAR BRACKET | GGLB054

HIGH-STRENGTH LIFELINE INTERMEDIATE SUPPORT COMPONENT

The **Groxx Linear Bracket (Model NO: GGLB054)** is a precision-engineered intermediate support component designed for permanent, flexible horizontal cable lifeline systems. Functioning as a critical stabilizing anchor along the wire rope profile, this ring bracket delivers stable, dependable load-bearing support, ensuring the entire lifeline architecture maintains maximum structural rigidity and tracking safety during high-altitude operations.

CORE PERFORMANCE FEATURES

- Welding-Free Structural Integrity:** The stainless steel base plate is cut and formed as a single, unified element. This design rule completely eliminates traditional structural weld seams, eliminating the risk of stress concentration or localized fatigue cracks at critical load zones.
- Optimized Shuttle Tracking:** Designed to position the intermediate guide tube on the exact same horizontal level as the primary steel lifeline cable. A slight, built-in engineering inclination facilitates smooth, non-jamming travel for passing traveler shuttles.
- Compact & Low-Profile Architecture:** Features a streamlined, compact structural envelope (62 x 22 x 70 mm) that delivers massive force containment without introducing unnecessary bulk or interference to the working path.
- Versatile Overhead Alignment:** Ideally suited for external overhead configurations, allowing installers to maintain perfect alignment across continuous multi-span setups.



TECHNICAL SPECIFICATIONS

FEATURE	SPECIFICATION
Model Number	GGLB054 (Ref Material Codes: A2 / A4 Series)
Product Classification	Type C Intermediate Cable Support
Material Composition	Premium Stainless Steel 304 / 316
Cable Compatibility	8mm Stainless Steel Wire Rope Only
Rated Ultimate Load	23 kN
Fulfillment Capacity	Rated for up to 2 people simultaneously
Fixing Method	High-Torque Bolt Fastening
Unit Weight	111g (304 variant) / 109g (316 variant)

MATERIAL LIFESPAN & ENVIRONMENTAL PERFORMANCE

The GGLB054 is tailored for long-term survival in aggressive outdoor, industrial, or coastal environments, backed by variable material validity parameters:

- Grade 304 Stainless Steel:** Rated for a **10-year conditional validity period**, ideal for standard commercial roof spaces and interior industrial tracks.
- Grade 316 Stainless Steel:** Rated for an extended **20-year conditional validity period**, optimized for marine facades, offshore structures, or chemical processing zones.

Maintenance Requirement: To preserve compliance and system validation status, all brackets must undergo a professional safety inspection at least once every twelve (11) months, or sooner depending on workplace frequency and environmental severity.

COMPLIANCE & INTERNATIONAL STANDARDS

The bracket is fully verified and third-party certified to comply with the primary European and international benchmarks for flexible horizontal lifelines:

- EN 795:2012 Type C:** Certified as a compliant intermediate structural anchor point for flexible wire rope lifelines.
- CEN/TS 16415:2013 Type C:** Rigorously validated for multi-user safety applications, confirming the bracket safely withstands forces generated during dual-user fall events.

THE GROXX ADVANTAGE

The **GGLB054 Linear Bracket** maximizes both safety margins and installation speed. By combining an impressive **23 kN rated load capacity** with a smart, weld-free single-plate stamping design, it offers industrial facilities a bulletproof, non-obtrusive, and low-friction cable routing interface. This guarantees that technicians remain securely tied off while experiencing zero restriction in mobility across extended working platforms.