

MULTIANCHOR BRACKET

GGACB0541

TECHNICAL SPECIFICATION

GROXX CORNER BRACKET | GGACB0541

HEAVY-DUTY STRUCTURAL LIFELINE ADAPTIVE SUPPORT COMPONENT

The **Groxx GGACB0541** is a high-capacity, multi-purpose intermediate structural hardware assembly engineered for permanent, flexible horizontal cable lifeline systems. Designed to guide and anchor heavy-task safety lines along complex, multi-span industrial structures, this multi-angle corner bracket provides an exceptionally adaptive track backbone. It ensures maximum personnel stability while smoothly navigating building contours, variable inclines, and challenging structural corners.



CORE PERFORMANCE FEATURES

- Universal Slope & Angle Adaptation:** The defining feature of the GGACB0541 is its advanced articulation mechanism, allowing the assembly to flexibly adapt to any architectural slope, roof incline, or severe directional change. Whether handling horizontal corners, sudden vertical elevation hops, or compound pitched roof transitions, it keeps the lifeline perfectly aligned without introducing stress points.
- Advanced Multi-Angle Kinematics:** Equipped with an adjustable orientation and articulation mount, the bracket allows the lifeline path to conform seamlessly to structural transitions and wall-to-floor paths without twisting or binding the cable matrix.
- Integrated Strand Armor & Repair Function:** Designed to be paired with rigid internal steel pipe inserts (straight or curved formats) to shield the wire rope from localized friction. If localized cable wear or broken strands occur, the bracket's adjustable support sleeve can be shifted and re-tightened directly over the affected section—reinforcing the wire rope and eliminating costly full-line replacements.
- Auxiliary Independent Anchorage Rating:** Engineered with massive structural reserve capacities, the main bracket section can double as a temporary, independent fall arrest anchorage point for workers altering rigging or safety setups.
- Weld-Free Safety Profiling:** Precision machined from solid material stocks to ensure zero load concentration zones, eliminating the hidden stress fractures and micro-tears typical of standard welded field brackets.

TECHNICAL SPECIFICATIONS

STRUCTURAL PARAMETER	SPECIFICATION / VALUE
Model Number	GGACB0541
Product Classification	Type C Multi-Angle Corner/Incline Guide
Material Composition	Premium Stainless Steel 304 / 316
Cable Diameter Range	8mm
Envelope Dimension (L x W x H)	86 x 104.2 x 14.2 mm
Rated Ultimate Load	23 kN
Fulfillment Capacity	2 Operators Simultaneously
Unit Weight	450 g
Fixing Method	High-Torque Bolt Fastening

LIFESPAN & ENVIRONMENTAL PERFORMANCE

Forged entirely from premium stainless steel grades, the GGACB0541 is rated for extended exposure in aggressive industrial, chemical, and offshore environments:

- Grade 304 Stainless Steel:** Rated for a **10-year conditional validity period**, ideal for standard commercial flat roofs and indoor production lines.
- Grade 316 Stainless Steel:** Rated for an extended **20-year conditional validity period**, optimized for marine docks, chemical processing plants, and severe offshore environments.

Mandatory Maintenance: To keep compliance status valid, the bracket must undergo a professional structural safety inspection at least once every twelve (12) months to evaluate bolt pre-tension torque, line clearance profiles, and swivel articulation functionality.

COMPLIANCE & INTERNATIONAL STANDARDS

The GGACB054 assembly is fully certified to pass the most rigorous safety requirements for continuous horizontal and inclined lifeline tracking hardware:

- EN 795:2012 Type C:** Certified under European requirements as a permanent structural anchor device fixed to a flexible line.

- **CEN/TS 16415:2013 Type C:** Fully validated for multi-user safety setups, ensuring complete force containment and structural stability during concurrent multi-operator fall arrest events.

THE GROXX ADVANTAGE

The **GGACB0541 Corner Bracket** represents an engineering leap beyond restrictive, fixed wire clips. While standard hardware forces design limitations across changing architectural gradients, the GGACB054 delivers a robust **23 kN ultimate load rating** coupled with the unmatched capability to articulate and track along any slope or custom angle. Supporting up to **12 mm heavy-gauge cables**, it manages intense dynamic vectors at complex turn points. By combining adaptive kinematics with a smart sleeve-repositioning setup, it protects high-wear regions of the lifeline, reducing overall lifecycle maintenance costs while granting technicians an incredibly fluid, non-binding travel path across irregular planes.