

SMART MIDDLE BRACKET

GGRXSIB20

TECHNICAL SPECIFICATION

GROXX SMART MIDDLE BRACKET | GGRXSIB20

ULTRA-LIGHTWEIGHT INTERMEDIARY SUPPORT COMPONENT FOR LIFELINE SYSTEMS

The **Groxx Smart Middle Bracket (Model Number: GGRXSIB20)** represents the industry's most efficient intermediary bracket choice for flexible horizontal wire rope lifeline installations. Engineered to combine minimalist structural design with high mechanical strength, this premium component guides safety lifelines seamlessly across straight building spans and elevated workspaces. It delivers critical fall protection anchoring capabilities while maintaining an ultra-lightweight profile that simplifies logistics and high-altitude rooftop installations.

CORE PERFORMANCE FEATURES

- Maximum System Efficiency:** Optimized structural geometry makes this bracket the most efficient choice available for managing middle-span lifeline tracking, minimizing material deadweight without compromising load path safety.
- Ultra-Lightweight Engineering:** Reduced component mass minimizes physical load strain on fragile roof sheets and allows installation crews to easily transport, handle, and mount multiple bracket units along extensive cable lines.
- Streamlined Anchor Compatibility:** Engineered with an integrated mounting interface configured to bolt directly onto a standard M16 threaded rod or chemical anchor assembly for rapid, secure attachment to concrete decks or structural steel.
- Smooth Cable Passing Tracking:** Features a low-friction internal channel that allows horizontal lifeline travelers or sliding personal gliders to glide continuously through the intermediary support point without requiring manual detachments.



TECHNICAL SPECIFICATIONS

FEATURE / STRUCTURAL ATTRIBUTE	SPECIFICATION / TECHNICAL TARGET VALUE
Model Number	GGRXSIB20
Product Classification	Type C Smart Intermediary Lifeline Bracket
Material Base Composition	Premium Structural Stainless Steel (Grade 316)
Surface Treatment / Finish	Industrial Polished Anodized Protection
Fastener Interface Compatibility	Designed for M16 Threaded Rods / Anchors
Lifeline Rope Compatibility	Accommodates standard 8 millimeter to 12 millimeter wire ropes
Product Weight	Optimized Ultra-Lightweight Profile
Primary Regulatory Compliance	EN 795:2012 Type C Certified

COMPLIANCE AND QUALITY STANDARDS

The GGRXSIB20 bracket architecture undergoes rigorous design verification to comply with primary international engineering safety mandates for personal protective equipment:

- EN 795:2012 Type C:** Fully certified and compliant under European standards governing anchor devices fixed permanently to flexible horizontal lifelines.
- Multi-User Structural Integrity:** Engineered with sufficient structural reserve capacities to manage dynamic multi-directional load paths generated during concurrent multi-operator fall arrest events.

THE GROXX ADVANTAGE

- Fast Tracking Over M16 Anchor Rods:** Direct integration with standard **M16 threaded rods** eliminates the need for complex, proprietary mounting adapter plates. Installation crews can drill, set chemical or mechanical anchors, and spin the smart middle bracket directly into position within minutes.
- Continuous Hands-Free Safety:** The low-clearance tracking loop keeps the stainless steel safety rope suspended safely above the roof surface while allowing specialized horizontal shuttle gliders to follow workers smoothly without binding or snagging.
- All-Weather Structural Reliability:** Forged from premium marine-grade alloys, the compact **GGRXSIB20** withstands brutal UV exposure, harsh industrial downpours, and freeze-thaw cycles on open commercial rooftops, offering a long-term maintenance-free operation lifecycle.