

G - ANCHOR

GGAP001

TECHNICAL SPECIFICATION

GROXX G-ANCHOR | GGAP001

The **Groxx G-Anchor (GGAP001)** is a high-strength structural anchorage solution designed to serve as the critical extremity termination for horizontal and vertical lifeline systems. Engineered with a distinct "G" shaped geometry, this anchor plate provides a unique combination of structural rigidity and dynamic energy management, making it suitable for high-load safety applications across diverse substrates.

CORE PERFORMANCE & DESIGN

- G-Shaped Shock Absorption:** The anchor's signature "G" profile is not merely aesthetic; it is a functional engineering feature. The curved geometry allows for controlled, elastic deformation under extreme dynamic loads. This "built-in" shock-absorbing characteristic dissipates a portion of the fall arrest energy before it is transmitted to the substrate, protecting both the worker and the building structure.
- Universal Application:** The GGAP001 is a versatile component designed for seamless integration into all major structural environments, including reinforced concrete slabs, steel rigid structures, and specialized roof systems.
- High-Capacity Multi-User Rating:** Unlike standard single-point anchors, the G-Anchor is robustly engineered and certified to support up to **4 simultaneous users**, making it an ideal choice for high-traffic industrial maintenance zones.
- Corrosion Resistance:** Manufactured from **316 Stainless Steel** with an **Electro-Polished** finish, the unit offers superior resistance to oxidation and chemical exposure, ensuring a 20+ year service life in marine or aggressive industrial atmospheres.



TECHNICAL SPECIFICATIONS

FEATURE	SPECIFICATION
Model Number	GGAP001
Material	AISI 316 Stainless Steel
Finish	Electro-Polished
Minimum Breaking Strength (MBS)	45 kN
Weight	700 g
Fixing Requirement (Concrete)	M16 Chemical Fastener (Ref: GRX851)
User Rating	4 Users

INSTALLATION & SUBSTRATE INTERFACE

- Concrete Installations:** When mounted to concrete, the G-Anchor must be secured using **M16 316SS Threaded Bolts** in conjunction with **Groxx GRX851 Epoxy Adhesive**. This ensures a tension-free molecular bond capable of meeting the anchor's 45kN MBS.
- Rigid Steel Structures:** The plate can be direct-bolted to structural steel beams (I-beams or channels) using M16 Grade 8.8 or Stainless 316 fasteners, providing a low-profile, high-strength termination point.
- Lifeline Extremity:** The universal hole pattern allows for the direct connection of tensioners, energy absorbers, and 8mm stainless steel cable swages.

STANDARDS & COMPLIANCE

The **GGAP001** undergoes rigorous dynamic and static testing to comply with the highest global safety standards for permanent anchor devices:

- EN 795:2012 Type A:** Certified as a structural anchor designed to be fixed to a surface.
- CEN/TS 16415:2013 Type A:** Certified for multi-user applications, ensuring the anchor maintains structural integrity when subjected to the cumulative forces of multiple falling masses.

THE GROXX ADVANTAGE

The **G-Anchor GGAP001** eliminates the need for bulky, external shock absorbers in many extremity applications. By utilizing the mechanical properties of its G-shaped 316SS plate, it provides a streamlined, aesthetically pleasing, and technically superior anchorage point that simplifies installation without compromising on safety.