

SWAGELESS TENSIONER

GGST004

TECHNICAL SPECIFICATION

GROXX SWAGLESS TENSIONER | GGST004

HIGH-EFFICIENCY CABLE FALL ARREST TERMINATION COMPONENT

The **Groxx Swagless Tensioner (Model NO: GGST004)** is a premium, high-strength industrial cable termination and adjustment device engineered for flexible horizontal and vertical wire rope lifeline systems. Functioning as a critical structural inline connector, this specialized component bridges the system's flexible cable to its force-damping energy absorber or end-anchor brackets. It provides both fine-tuned line tension calibrations and tool-free field installations.

CORE PERFORMANCE FEATURES

- Tool-Free Field Termination:** Features an advanced internal swagless compression mechanism that allows for instant, high-integrity terminations directly on-site without requiring hydraulic crimping machines or specialized swaging tools.
- Integrated Line Tension Calibration:** Serves as a continuous adjustment module, allowing installers to fine-tune pre-tensioning across the wire rope matrix to minimize dynamic cable sag over long spans.
- Vibration-Proof Anti-Rotation Lock:** Engineered with an anti-vibration cable sealing lock that prevents the tensioner assembly from backing out or unthreading when subjected to constant architectural wind currents or building vibration.
- Universal 8mm Wire Optimization:** Specifically tailored to terminate standard **8mm stainless steel wire ropes**, making it highly versatile for structural building envelopes and industrial roof spaces.

TECHNICAL SPECIFICATIONS

FEATURE	SPECIFICATION
Product Model	GGST004
Material Build	Marine-Grade Stainless Steel
Cable Diameter Compatibility	8 mm Wire Rope Only
Minimum Breaking Strength (MBS)	25 kN
Unit Weight	0.988
Fulfillment Mode	Swagless Compression Sleeve Terminal

COMPLIANCE & INTERNATIONAL STANDARDS

The Swagless Tensioner is structurally calculated and tested to satisfy international safety regulations for personal protective equipment (PPE) and flexible horizontal anchor devices:

- EN 795:2012 Type C:** Certified under European standards as an integrated structural component for flexible anchor lifelines.
- CEN/TS 16415:2013:** Fully validated for multi-user safety architectures, ensuring system integrity is held even under concurrent fall arrest dynamic loads across continuous lines.

THE GROXX ADVANTAGE

- Extreme Tensile Rating:** Boasting a robust **25 kN minimum breaking strength**, the hardware vastly exceeds typical single-user safety thresholds, introducing a substantial engineering safety factor into the lifeline layout.
- Reduced Labor Footprint:** By replacing slow, error-prone manual swaging with a high-torque mechanical grip thread, field installation times are slashed, enabling fast on-site terminations irrespective of high-altitude geometry constraints.
- Marine-Grade Durability:** Forged from high-grade stainless steel to resist localized pitting and galvanic corrosion, keeping internal adjustment threads fluid and operational over long service intervals.

