GGVLS056

VERTICAL LIFELINE SYSTEM

Also used in VL



OVERVIEW

The Vertical Fall Arrest System is a premium, high-safety solution designed for personnel who frequently ascend and descend fixed ladders. This integrated system provides a continuous, secure connection to the structure, automatically arresting a fall within centimeters to prevent serious injury.

KEY FEATURES

- **Rigid Anchorage Line**: Constructed from high-tensile Stainless Steel Wire Rope, the line is held under constant tension between heavy-duty top and bottom mounting brackets.
- **Precision Rope Grab**: The stainless steel fall arrester follows the user's movement effortlessly. It comes equipped with a special anti-inversion mechanism, ensuring the device can only be installed in the correct orientation for maximum safety.
- **Shock Absorbing Interface**: The user connects to the rope grab via a compact, integrated shock-absorbing lanyard, which minimizes impact forces on the body in the event of a fall.
- **Mechanical Tensioner**: A screw-type mechanical tensioner is situated at the bottom bracket, allowing installers to fine-tune the line's rigidity and account for environmental expansion or contraction.

TECHNICAL SNAPSHOT

PARAMETER	GGVLS056
Material	Grade 316/304 Stainless Steel
User Capacity	Typically 1 User per line (Refer to system specific manual)
EN requirement	Static 15 kN (22 kN textile elements); max. arrest force 6 kN; max. arrest distance 1 m
Compliance	EN 353-1:2014 + A1:2017
Tensioning	Integrated Mechanical Screw System
Intermediate Spacing	Recommended every 3m – 4m

USE & INSPECTION

Install to the Groxx instructions by trained installers. Inspect before each use and at least every 12 months by a competent person.

STANDARDS

EN 353-1:2014

This fall arrest system balances simplicity with sophisticated engineering. The anti-inversion technology removes the most common cause of vertical lifeline failure—incorrect installation of the slider.

FULL DATA SHEET ↗

Product page ↗