

VERTICAL LIFELINE SYSTEM

GGVLS056



TECHNICAL SPECIFICATION

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 & OPERATIONAL BENEFITS

- Uninterrupted Movement: The system is designed for “hands-free” climbing; the rope grab tracks the climber’s vertical position without manual adjustment.
- Environmental Stability: Intermediate cable guides are placed at regular intervals to prevent the line from vibrating or displacing due to high wind loads or mechanical resonance.
- Flexible Termination Options:
 - Swaging Type: Factory-pressed for a permanent, high-strength finish.
 - Swageless Type: Ideal for field installations requiring high-strength results without specialized hydraulic tools.
 - U-Bolt Thimble: A cost-effective solution for bottom-side termination only.

MATERIAL

Grade 316/304 Stainless Steel

USER CAPACITY

Typically 1 User per line
(Refer to system specific manual)

TENSIONING

Integrated Mechanical Screw System

INTERMEDIATE SPACING

Recommended every 3m – 4m

LENGTH

6, 8, 12, 16



VERTICAL LIFELINE SYSTEM

GGVLS056

GROXX

TECHNICAL SPECIFICATION

SYSTEM COMPONENTS

- **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.

COMPONENTS



V - LINE SPRING ANCHOR

GGVA8902



SWAGELESS TENSIONER

GGST004



V - LINE UPPER END BRACKET

GGUEF1910



SWAGELESS CABLE EXTREMITY

GGSM005



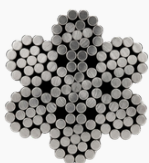
V - LINE LOWER END BRACKET

GGLW8902



V - LINE SHUTTLE

GGVLSL016



7 X 19 STAINLESS WIRE ROPE

GGSWR316



EN 353-1:2014
& A1:2017

USED IN INDUSTRY

