

KwikSafety
Everything Safety®



MODEL #: KS7710T - KS7713T
VERTICAL LIFELINE ASSEMBLY (VLA)

VERTICAL LIFELINE ASSEMBLY (VLA) INSTRUCTIONS FOR USE

! WARNING

Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

Before using this equipment, you must:

- Read and understand all Instructions for Use.
- Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.



**FAILURE TO HEED ANY OF THESE
WARNINGS MAY RESULT IN SEVERE
INJURY OR DEATH.**

THESE INSTRUCTIONS EXPLAIN HOW TO CORRECTLY USE YOUR EQUIPMENT. ONLY CERTAIN TECHNIQUES AND USES ARE DESCRIBED. THE WARNING SYMBOLS INFORM YOU OF SOME POTENTIAL DANGERS RELATED TO THE USE OF YOUR EQUIPMENT, BUT IT IS IMPOSSIBLE TO DESCRIBE THEM ALL. CHECK WWW.KWIKSAFETY FOR UPDATES AND ADDITIONAL INFORMATION. YOU ARE RESPONSIBLE FOR HEEDING EACH WARNING AND USING YOUR EQUIPMENT CORRECTLY. ANY MISUSE OF THIS EQUIPMENT WILL CREATE ADDITIONAL DANGERS. CONTACT **KWIKSAFETY** IF YOU HAVE ANY DOUBTS OR DIFFICULTY UNDERSTANDING THESE INSTRUCTIONS.

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ADDRESS : 6132-E BROOKSHIRE BLVD CHARLOTTE, NC 28216

TEL : (980) 999-5002



WWW.KWIKSAFETY.COM

APPLICABLE SAFETY STANDARDS

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.1-2007, and ANSI A10.32-2012 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state regulations if applicable. Consult regulatory agencies for more information on personal fall arrest systems and associated components.

WORKER CLASSIFICATIONS

Qualified Person: A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems.

Competent Person: A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards. It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.

Personal Fall Arrest: VLAs may be used in Personal Fall Arrest applications to support a MAXIMUM 1 Personal Fall Arrest System (PFAS). Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6'. MAXIMUM combined length of fall arrester, lanyard extension, and D-ring is 36". Applicable D-ring: Dorsal.

Restraint: VLAs may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/VLA. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No vertical free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.



PRODUCT SPECIFIC APPLICATIONS

WARNING

Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.

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For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-310 lbs.

LIMITATIONS

Fall Clearance: There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 2' safety factor, deceleration distance, user height, length of lanyard/SRL, and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY. Diagram is NOT DRAWN TO SCALE.

Swing Falls: Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.

Compatibility: When making connections with the VLA, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected



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and deemed compatible with VLA by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

A: POTENTIAL FREE FALL (6' TOTAL)

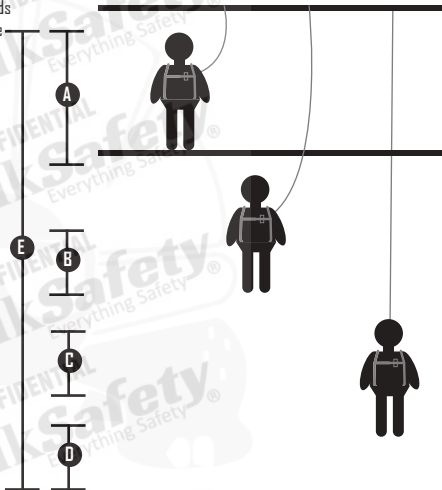
B: DECELERATION DISTANCE (4' TOTAL)

C: HEIGHT OF HARNESS DORSAL D-RING FROM WORKER'S FEET (6' TOTAL)

D: SAFETY FACTOR (3' TOTAL)

E: REQUIRED DISTANCE FROM ANCHORAGE (16') TOTAL

FALL CLEARANCE CALCULATION



Components and Specifications

Materials: steel, polyester or nylon, and steel polyolefin components.

Lifeline diameter: 5/8"

Average arrest force: 900 lbs. Maximum arrest force: 1,800 lbs.

Maximum elongation: 48"

Installation and Use

1. Eliminate all risk of lower end termination. Either ensure VLA will prevent user from striking next lower level and that there is always adequate fall clearance, or that VLA will not reach the leading edge of any fall hazard when used at its full length. NEVER tie knots in lifeline, except at extreme bottom of lifeline in order to prevent Fall Arrester from detaching.
2. Eliminate or minimize all risk of swing fall.
3. If VLA has integral Shock Pack, attach Shock Pack end to compatible anchorage connector.
4. Attach Fall Arrester and Extension Lanyard to applicable harness D-ring.
5. To move along lifeline, compress and hold Fall Arrester handle. ALWAYS adjust Fall Arrester to reduce slack in the system as much as

possible. When attached to Fall Arrester and moving along work surface, ALWAYS do so by moving Fall Arrester along rope, and NEVER by moving only the rope itself. For example, if moving from a roof edge to the roof peak, engage handle of Fall Arrester and move it up the VLA while walking to peak. DO NOT move up to roof peak by moving VLA and keeping Fall Arrester stationary; doing so can create free fall in excess of levels permitted by system.

6. To restrict Fall Arrester movement along lifeline, release Fall Arrester handle.
7. NEVER grab the Fall Arrester in the event of a fall; doing so may cause the unit to accidentally disengage and slip along the rope.

where user can check the labels



Maintenance, Cleaning, and Storage

If VLA fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair.

Cleaning after use is important for maintaining the safety and longevity of VLAs. Remove all dirt, corrosives, and contaminants from VLAs before and after each use. If a VLA cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean VLAs with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect VLA for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, broken stitching, fraying, bird-caging, and missing or illegible labels. IMMEDIATELY remove VLA from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 6 months, a Competent Person OTHER THAN the user must inspect VLAs. Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.

During inspection, consider all applications and hazards VLAs have been subjected to.



EQUIPMENT CONTROL LOG

Date of First Use: __ / __ / ____

Product lifetime is indefinite as long as it passes pre-use and Competent Person inspections. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and initial.

This inspection log must be specific to one VLA. Separate inspection logs must be used for each VLA. All inspection records must be made visible and available to all users at all times.



PRODUCT: VERTICAL LIFELINE ASSEMBLY (VLA)

MANUFACTURER	KWIKSAFETY		
CONTACT DETAILS	1-541-223-7118 / customerhappiness@kwiksafety.com		
MANUFACTURING DATE		LIFE EXPIRY DATE	
MODEL		SERIAL NO.	
DATE OF PURCHASE		DATE FIRST USED	NAME OF USER

COMMENTS:

S. No.	DATE	CONTROLLER	RESULTS	COMMENTS	SIGNATURE	NEXT INSPECTION
1						
2						
3						
4						
5						
6						
7						



SAFETY INFORMATION

WARNING

Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.

Do not alter equipment. Do not misuse equipment.

Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner. Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a Competent Person.

Harnesses and connectors selected must be compliant with manufacturer's instructions, and must be of compatible size and configuration. Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All



snap hooks and carabiners must be self-locking and self-closing, and must never be connected to each other.

A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.

NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user's ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.



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