



Test Report OSHA Verification

Pure Safety Group, Inc.
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Test Report Number: 2025061201310
Job Number: Test 869, Test 1283
Product SKU#: 01320
Product Type: Vertical Lifeline Assembly
Product Description: VLA-50, 50' Vertical Lifeline Assembly, 5/8 Yellow Steel Rope
Testing Standard: OSHA 1910.140, OSHA 1926.502
Dates of Manufacture: 2/01/2025, 3/01/2025
Date(s) of Testing: 2/19/2025, 7/22/2025

VERIFICATION TESTING

Test Description	Test Date	Clause/Section	Result
Strength Test	2/19/2025	OSHA 1910 Subpart I App D OSHA 1910.140(d)(i) OSHA 1910.140(d)(ii) OSHA 1910.140(d)(iii) OSHA 1910.140(d)(1)(v) OSHA 1926.502(d)(16)(ii) OSHA 1926.502(d)(16)(iv) OSHA 1926.502(d)(16)(v)	Meets or Exceeds
Force Test	2/19/2025	OSHA 1910 Subpart I App D OSHA 1910.140(d)(i) OSHA 1910.140(d)(ii) OSHA 1910.140(d)(iii) OSHA 1910.140(d)(1)(v) OSHA 1926.502(d)(16)(ii) OSHA 1926.502(d)(16)(iv) OSHA 1926.502(d)(16)(v)	Meets or Exceeds
Static Test	7/22/2025	OSHA 1910.140(c)(4) OSHA 1926.502(d)(9)	Meets or Exceeds

This test report covers these additional products:

01310, 01315, 01323, 01324, 01325, 01326, 01327, 11315, 11320, 99-04-0002, 99-04-0021, 99-04-0028, 99-04-0029, 99-04-0037

Please contact quality@guardianfall.com for signed report.

Test Equipment		
Equipment	Model	Serial
Load Cell	1210AF-10K-B	444522A
Load Cell	1220ACK-25K-B	347989A
Tape Measure	Kutir	1052022
Test Weight	220 lb	7HPY
Test Weight	282 lb	GFP001
Test Weight	18 lb	GFP002

Strength Test requirements per OSHA 1910 Subpart I App D
a) During the testing of all systems, a test weight of 300 pounds plus or minus 3 pounds (136.4 kg plus or minus 1.4 kg) should be used. (See paragraph (b)(4) of this appendix.) b) The test consists of dropping the test weight once. A new unused system should be used for each test. c) For lanyard systems, the lanyard length should be 6 feet plus or minus 2 inches (1.83 m plus or minus 5 cm) as measured from the fixed anchorage to the attachment on the body harness. d) For rope-grab-type deceleration systems, the length of the lifeline above the centerline of the grabbing mechanism to the lifeline's anchorage point should not exceed 2 feet (0.61 m). e) For lanyard systems, for systems with deceleration devices which do not automatically limit free fall distance to 2 feet (0.61 m) or less, and for systems with deceleration devices which have a connection distance in excess of 1 foot (0.3 m) (measured between the centerline of the lifeline and the attachment point to the body harness), the test weight should be rigged to free fall a distance of 7.5 feet (2.3 m) from a point that is 1.5 feet (46 cm) above the anchorage point, to its hanging location (6 feet (1.83 m) below the anchorage). The test weight should fall without interference, obstruction, or hitting the floor or ground during the test. In some cases a non-elastic wire lanyard of sufficient length may need to be added to the system (for test purposes) to create the necessary free fall distance. f) For deceleration device systems with integral lifelines or lanyards that automatically limit free fall distance to 2 feet (0.61 m) or less, the test weight should be rigged to free fall a distance of 4 feet (1.22 m). g) Any weight that detaches from the harness should constitute failure for the strength test.

Strength Test requirements per OSHA 1910 Subpart I App D	
Samples	Sample # 01
Weight successfully arrested by Harness?	Yes
Result/Assessment	Pass

Notes

The above testing was completed using 01310, the 25 ft variant of the 01320.

Force Test**requirements per OSHA 1910 Subpart I App D**

- a) A test weight of 220 pounds plus or minus 2 pounds (100 kg plus or minus 1.0 kg) should be used. (See paragraph (b)(4) of this appendix.)
- b) The free fall distance to be used in the test should be the maximum fall distance physically permitted by the system during normal use conditions, up to a maximum free fall distance for the test weight of 6 feet (1.83 m), except as follows:
- i. For deceleration systems having a connection link or lanyard, the test weight should free fall a distance equal to the connection distance (measured between the centerline of the lifeline and the attachment point to the body harness).
- ii. For deceleration device systems with integral lifelines or lanyards that automatically limit free fall distance to 2 feet (0.61 m) or less, the test weight should free fall a distance equal to that permitted by the system in normal use. (For example, to test a system with a self-retracting lifeline or lanyard, the test weight should be supported and the system allowed to retract the lifeline or lanyard as it would in normal use. The test weight would then be released and the force and deceleration distance measured).

Force Test**requirements per OSHA 1910 Subpart I App D**

Samples	Sample # 02
Initial Height (in.)	105.5
Final Height (in.)	91.25
Elongation (in.)	14.25
Deceleration Distance (in.)	0
Max Arrest Force ($\leq 2,520$ lb) (lb)	859.68
Result/Assessment	Pass

Notes

The above testing was completed using 01310, the 25 ft variant of the 01320.

Static Test**requirements per OSHA 1910.140(c)(4) & 1926.502(d)(9)**

OSHA 1910.140(c)(4):
Lanyards and vertical lifelines must have a minimum breaking strength of 5,000 pounds (22.2 kN).

OSHA 1926.502(d)(9)
Lanyards and vertical lifelines shall have a minimum breaking strength of 5,000 pounds (22.2 kN).

Static Test**requirements per OSHA 1910.140(c)(4) & 1926.502(d)(9)**

Samples	Sample # 03
Minimum Breaking Strength $>5,000$ lb?	Yes
Result/Assessment	Pass

Notes