

**Test Report Number:** 2021032304660  
**Job Number:** Verification 572  
**Product SKU#:** 04660  
**Product Type:** Horizontal Lifeline  
**Product Description:** Galvanized cable 60' Retractable HLL  
**Testing Standard:** OSHA 1910.140, OSHA 1926.502  
**Dates of Manufacture:** 8/01/2020  
**Date(s) of Testing:** 11/02/2018, 8/27/2020, 8/28/2020

**CALIBRATION TESTING**

<u>Test Description</u>	<u>Test Date</u>	<u>Clause/Section</u>	<u>Result</u>
Force Calibration Tests	11/02/2018	Internal Calibration	Meets or Exceeds

**VERIFICATION TESTING**

<u>Test Description</u>	<u>Test Date</u>	<u>Clause/Section</u>	<u>Result</u>
Dynamic Performance (1,800 lb Input Force)	8/27/2020	OSHA 1910.140(c)(11)(ii) OSHA 1926.502 (d)(8)	Pass
Dynamic Performance (3,600 lb Input Force)	8/27/2020	OSHA 1910.140(c)(11)(ii) OSHA 1926.502 (d)(8)	Pass
Static Strength	8/28/2020	OSHA 1910.140(c)(11)(ii) OSHA 1926.502 (d)(8)	Pass

This test report covers these additional products:

Please contact [quality@guardianfall.com](mailto:quality@guardianfall.com) for signed report.

Test Equipment		
Equipment	Model	Serial
Test Weight	220 lb	GFP007
Load Cell	1210ACK-10K-B	916507A
Load Cell	1210AF-10K-B	470679A
Load Cell	1220ACK-25K-B	367976A

Calibration to 1,800 lb of Dynamic Force	
Sample # 01A	
Drop Height (in.)	12
Test Weight (lb)	220
Maximum Arresting Force (b)	1814.66
Result/Assessment	Pass

Calibration to 5,000 lb of Dynamic Force	
Sample # 01B	
Drop Height (in.)	37
Test Weight (lb)	220
Maximum Arresting Force (b)	3637.81
Result/Assessment	

**Notes**

	Requirements	
<b>1910.140 (c)(11)(ii)</b>	Is part of a complete personal fall arrest system that maintains a safety factor of at least two	Meets or Exceeds
<b>1926.502 (d)(8)</b>	Horizontal lifelines shall be designed, installed, and used, under the supervision of a qualified person, as part of a complete personal fall arrest system, which maintains a safety factor of at least two	Meets or Exceeds

Dynamic Performance 1800 lb Input Force <i>requirements per 1910.140(c)(11)(ii) &amp; 1926.502(d)(8)</i>		
Sample # 01C		
HLL Span	10	ft
Drop Distance	12	in
Maximum Arresting Force	1723.93	lb
Final Line Sag (with 342 lb)	21.5	in.
Result/Assessment	Pass	

Dynamic Performance 3600 lb Input Force <i>requirements per 1910.140(c)(11)(ii) &amp; 1926.502(d)(8)</i>		
Sample # 02		
HLL Span	10	ft
Drop Distance	37	in
Maximum Arresting Force	1821.72	lb
Final Line Sag (with 342 lb)	26	in.
Result/Assessment	Pass	

Dynamic Performance 1800 lb Input Force <i>requirements per 1910.140(c)(11)(ii) &amp; 1926.502(d)(8)</i>		
Sample # 03		
HLL Span	30	ft
Drop Distance	12	in
Maximum Arresting Force	1808.80	lb
Final Line Sag (with 342 lb)	46.5	in.
Result/Assessment	Pass	

Dynamic Performance 3600 lb Input Force <i>requirements per 1910.140(c)(11)(ii) &amp; 1926.502(d)(8)</i>		
Sample # 04		
HLL Span	30	ft
Drop Distance	37	in
Maximum Arresting Force	1924.71	lb
Final Line Sag (with 342 lb)	52	in.
Result/Assessment	Pass	

Dynamic Performance 1800 lb Input Force <i>requirements per 1910.140(c)(11)(ii) &amp; 1926.502(d)(8)</i>		
Sample # 05		
HLL Span	60	ft
Drop Distance	12	in
Maximum Arresting Force	2029.09	lb
Final Line Sag (with 342 lb)	61.25	in.
Result/Assessment	Pass	

Dynamic Performance 3600 lb Input Force <i>requirements per 1910.140(c)(11)(ii) &amp; 1926.502(d)(8)</i>		
Sample # 06		
HLL Span	60	ft
Drop Distance	37	in
Maximum Arresting Force	1992.25	lb
Final Line Sag (with 342 lb)	73.5	in.
Result/Assessment	Pass	

Static Strength <i>requirements per 1910.140(c)(11)(ii) &amp; 1926.502(d)(8)</i>		
Sample # 07		
Static Force Applied	5018.20	lb
Sample maintained load for 1 minute	Yes	
Result/Assessment	Pass	