Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014 and ANSI/ASSP Z359.7-2019

Alexander Andrew, Inc. 1306 S. Alameda St Compton, CA 90221 (800) 719-4619

Declaration #	D1126092	**Declaration Date**	11/26/2025

Tested Item #	**721560RT**	**FT-R Arc Flash SRL-R, Class 1, 60', Plastic Housing, Technora Rope**

Additional Items Conforming Under this Declaration:

721560RTD1

Alexander Andrew, Inc. declares that the product(s) listed above is in conformity with the requirements of the following product standard(s):

ANSI Z359.14-2021 & ASTM F887

Conformity Assessment Method in accordance with ANSI/ISEA 125-2014

Level 1		**Level 2**	**X**	**Level 3**	

Level 1: FallTech Lab Outside the Scope of ISO/IEC Standard 17025:2017	**Level 2**: FallTech Lab Within the Scope of ISO/IEC Standard 17025:2017	**Level 3**: Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2017

Supporting Documentation	**PC-3569**

Authorized Signature

Name Zachary Winters **Title** Engineering Manager **Date** 11/26/2025

IAS ACCREDITED Testing Laboratory

International Accreditation Service, Inc
3060 Saturn St, Ste 100
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FallTech Lab - TL-594
ISO/IEC 17025:2017
Alexander Andrew Inc dba FallTech

FallTech Testing Laboratory
1306 S. Alameda Street,
Compton, CA 90221-4803
Tel: (323) 752-0060
www.falltech.com

FallTech Test Report

Test Report No.	PC-3569	Rpt. Date	11/25/2025	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Zachary Winters	Test Specification(s)	ANSI Z359.14-2021: 4.2, 4.3, 4.5				
Part No.	721560RT			Part No. Revision	A		
Part Description	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope						
Test Request No.	PC-3569			Date Complete	11/25/2025		
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
FT134699	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134638	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134655	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134644	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134666	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134625	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134681	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134651	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134642	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134626	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134667	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope
FT134636	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope

Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.4.1	36" Travel with 125% Maximum Capacity 397 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	36" Travel with 75% Minimum Capacity 97 lbs	< 4" Vertical Displacement	0.0"	Pass
ANSI Z359.14-2021 4.3.4.1	36" Travel with 125% Maximum Capacity 397 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	36" Travel with 75% Minimum Capacity 97 lbs	< 4" Vertical Displacement	0.0"	Pass
ANSI Z359.14-2021 4.3.4.1	36" Travel with 125% Maximum Capacity 397 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	36" Travel with 75% Minimum Capacity 97 lbs	< 4" Vertical Displacement	0.0"	Pass

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Report Prepared For	FallTech						
Initiated By	Zachary Winters	**Test Specification(s)**		ANSI Z359.14-2021: 4.2, 4.3, 4.5			
Part No.	721560RT			**Part No. Revision**	A		
Part Description	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope						
Test Request No.	PC-3569			**Date Complete**	11/25/2025		

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.1 / 4.3.4.3 Dynamic Performance Ambient Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1238.5 lbF	Pass
	Avg Arrest Force	≤ 1350 Lbf	778.5 lbF	Pass
	Arrest Distance	≤ 42"	27.7"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 14.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1 / 4.3.4.3 Dynamic Performance Ambient Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1262.2 lbF	Pass
	Avg Arrest Force	≤ 1350 Lbf	842.4 lbF	Pass
	Arrest Distance	≤ 42"	25.1"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 12.5"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1 / 4.3.4.3 Dynamic Performance Ambient Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1294.8 lbF	Pass
	Avg Arrest Force	≤ 1350 Lbf	891.1 lbF	Pass
	Arrest Distance	≤ 42"	27.6"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 14"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.7 / 4.3.4.3.1 Dynamic Performance Hot Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	983.4 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	758.5 lbF	Pass
	Arrest Distance	≤ 42"	26.2"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 13"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.7 / 4.3.4.3.1 Dynamic Performance Hot Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1161.2 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	832.9 lbF	Pass
	Arrest Distance	≤ 42"	18.6"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 9"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.7 / 4.3.4.3.1 Dynamic Performance Hot Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1098.7 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	845.0 lbF	Pass
	Arrest Distance	≤ 42"	23.3"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 12"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass

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Report Prepared For	FallTech						
Initiated By	Zachary Winters	**Test Specification(s)**		ANSI Z359.14-2021: 4.2, 4.3, 4.5			
Part No.	721560RT			**Part No. Revision**	A		
Part Description	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope						
Test Request No.	PC-3569			**Date Complete**	11/25/2025		

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.1.8 / 4.3.4.3.2 Dynamic Performance Cold Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1146.0 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	832.3 lbF	Pass
	Arrest Distance	≤ 42"	30.8"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 15"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.8 / 4.3.4.3.2 Dynamic Performance Cold Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	843.4 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	730.8 lbF	Pass
	Arrest Distance	≤ 42"	22.0"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 11.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.8 / 4.3.4.3.2 Dynamic Performance Cold Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1123.3 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	903.1 lbF	Pass
	Arrest Distance	≤ 42"	17.2"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 9"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.9 / 4.3.4.3.3 Dynamic Performance Wet Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1326.4 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	794.1 lbF	Pass
	Arrest Distance	≤ 42"	31.0"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 16.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.9 / 4.3.4.3.3 Dynamic Performance Wet Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1064.5 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	873.7 lbF	Pass
	Arrest Distance	≤ 42"	19.3"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 10"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.9 / 4.3.4.3.3 Dynamic Performance Wet Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1318.0 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	801.2 lbF	Pass
	Arrest Distance	≤ 42"	21.8"	Pass
	Post Fall Raise	50% Arrest or Suffient	Engage and Raise 11"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass

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FallTech Test Report

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Report Prepared For	FallTech						
Initiated By	Zachary Winters	**Test Specification(s)**		ANSI Z359.14-2021: 4.2, 4.3, 4.5			
Part No.	721560RT			**Part No. Revision**	A		
Part Description	FT-R Arc Flash SRL-R, Class 1,60', Plastic Housing, Technora Rope						
Test Request No.	PC-3569			**Date Complete**	11/25/2025		

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.4.4	Static Strength Rescue Mode	≥ 3,600 Lbf for ≥ 60 Seconds	3636.4 lbF	Pass
ANSI Z359.14-2021 4.3.4.4	Static Strength Rescue Mode	≥ 3,600 Lbf for ≥ 60 Seconds	3656.4 lbF	Pass
ANSI Z359.14-2021 4.3.4.4	Static Strength Rescue Mode	≥ 3,600 Lbf for ≥ 60 Seconds	3643.9 lbF	Pass
ANSI Z359.14-2021 4.2.1	Static Strength SRL	≥ 3,600 Lbf for ≥ 60 Seconds	3647.1 lbF	Pass
ANSI Z359.14-2021 4.2.1	Static Strength SRL	≥ 3,600 Lbf for ≥ 60 Seconds	3637.8 lbF	Pass
ANSI Z359.14-2014 4.2.5	Static Strength SRL	≥ 3,600 Lbf for ≥ 60 Seconds	3634.7 lbF	Pass
ANSI Z359.14-2014 4.5.2	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.5 lbF	Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	6.9 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	8.1 lbF	Pass
ANSI Z359.14-2014 4.5.2	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.8 lbF	Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	6.4 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	7.6 lbF	Pass
ANSI Z359.14-2014 4.5.2	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.8 lbF	Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	7.1 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	9.6 lbF	Pass

Conclusion

Based upon the samples provided to the Lab:
FallTech P/N 721560RT Rev. A meets the requirements of ANSI Z359.14-2021.

Report Signatories and Approval

Lab Quality Manager	Jay Sponholz	Date	11/25/2025

ArcWear
A KINECTRICS COMPANY

KINECTRICS

EXPOSURE TO AN ELECTRIC ARC

Requesting Agency:
FallTech
1306 S Alameda St
Compton, CA 90221

Reference Test Standard:
ELECTRIC ARC TESTS: ASTM F887-20, SECTION 22
Qualification Testing for Exposure to an Electric Arc

Test Report:
K-581314-2408H03-R00

Test Specimen:
FallTech, SRL-R, Style 721560RT,
Webbing: Technora®, Color: Technora® Rope (Black)

Result:
As requested, the SRL-R, Style 721560RT with Technora® webbing (rope) were placed on a mannequin and exposed to an electrical arc to the level required for ASTM F887-20, section 22. The SRL body and webbing met the Visual Inspection Criteria for Electric Arc Performance indicated in Table 1-1.

ASTM F887-20 does not have a specific test method for SRL as such the agency shall review the results and apply a suitable test as soon as is practically possible to confirm the function of the SLR following the arc exposure.

Sample Received	Test Date	Report Date
August 9, 2024	August 16, 2024	September 3, 2024

Prepared by	Approved by
Claude Maurice Technical Specialist, HCL TD Technologies, Kinectrics	Brian Shiels Service Line Manager ArcWear, Kinectrics AES

Revision History

Rev	Description		
00	Initial report creation		
	Issue Date September 3, 2024	Prepared by Claude Maurice	Approved by Brian Shiels
Rev	Description		
	Issue Date	Prepared by	Approved by

For questions about this test report, please contact Contact.ArcWear@Kinectrics.com

DISCLAIMER

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QUALITY MANAGEMENT

The arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada (SCC) to conform to the requirements of CAN-P-4E (ISO/IEC 17025:2017). Accreditation by the Standards Council of Canada (SCC) is a mark of competence and reliability

- The test performed does not apply to electrical contact or electrical shock hazard.
- The test result is applicable only to the Test Specimens delivered to Kinectrics, other material, design or color may have a different response.
- It is the clients' responsibility to provide full and accurate information about the items supplied.
- No test is done to validate the fiber content or composition of the test item.
- Photographs of the test specimens and waveforms of the arc current, voltage and calorimeters with the circuit and arc exposure calibration records are available from Kinectrics and provided to the client separately from this report.

1 Test Standard:

Electrical arc test according to ASTM F887-20, Section 22
Standard Specifications for Personal Climbing Equipment, After Exposure to an Electric Arc Evaluation. Specimens are mounted on mannequins having a distance of 30.5 cm (12 inches) from the chest to the centerline of the electrodes. The test standard requires that the finished personal climbing equipment be exposed to a level of 40 cal/cm² ± 5 cal/cm².

1.1 Test Requirements

Harnesses- The test program requires the specimens be placed on mannequins as normally worn. Sufficient quantities shall be exposed on the front and on the back to meet the drop test requirements of Table 5 of the Standard.

Harness with dorsal attachment only: 4 frontal arc exposure, 4 rear arc exposure (8 samples arc tested).
Harness with front and dorsal attachment: 6 frontal arc exposure, 6 rear arc exposure, (12 samples arc tested).

Harness accessories, loops etc. - Three specimens of each accessory or loop are required to be exposed to the arc.

Energy Absorbing Lanyard - Three specimens of each lanyard are required to be exposed to the arc.

SRL & SRD- Self-retracting devices (SRDs) are not included in the scope of arc exposure test in ASTM F887-20, Section 22. Their test method, number of samples required, and subsequent drop test and criteria has not been established by ASTM. Until the standard is revised, the arc exposure test is based on the requirements for Energy Absorbing Lanyards (non-retracting). The drop test to verify mechanical integrity following the arc exposure will be arranged by the producer based on the applicable drop method followed for such devices.

Other effects as a result for an arc fault such as the noise, light emissions, pressure rise, hot oil, electric shock, the consequences of physical and mental shock or toxic influences are not covered by this standard.

1.2 Acceptance criteria for products exposed to electrical arc:

The procedure outlined in ASTM F887-20 is followed to verify the electric arc performance of the personal climbing equipment. The product is considered as having passed the visual inspection criteria if the parameters defined in Table 1-1 are met. As proof of performance following the arc exposure, the exposed test specimens shall be subjected to a drop test as soon as practical after the arc exposure.

Table 1-1: Visual Inspection Criteria for Electric Arc Performance of ASTM F887-20

Parameter	Criterion
Arc Energy	Electrical arc exposure of 40 cal/cm² ± 5 cal/cm²
Ignition	No electric arc ignition.
After-flame Time	No greater than 5 seconds on load bearing materials and no greater than 15 seconds for accessories or non-load bearing components.
Material Performance	No melting and dripping of any load bearing material. Accessories, such as elastic or hook, labels and loop fasteners, are allowed to exhibit melting and dripping provided they are not ignited while dripping or propagating the flames to other parts of the product.

2 Test Condition:

The following test circuit parameters and conditions were used.

- Electric arc current: 8 kA rms ± 10%, 60 Hz
- Open circuit voltage: 2500 V rms ± 10%, 60 Hz
- Nominal Heat Flux Density: 2100 kW/m^2 (50 cal/cm²·s)
- Arc duration: 0.85 seconds ± 0.1 s to obtain required incident energy
- Electrode gap: 305 mm (12 inches)
- Distance from mannequin to electrode: 305 mm (12 inches)
- Deviations and abnormalities: none

Note: The measurement uncertainty, MU, for the measured values of this test method are well within the requirements of the test standard and are defined on a 95% confidence interval basis over the full test range, as follows:

- Temperature: ± 2 °C
- Arc Current: ± 2.5%
- Time zero reference: ± 3 ms
- Incident Energy: ± 1.5%
- Voltage: ± 2.2%

3 Test Sample Description:

The following description of the test sample was provided by the client and confirmed by the sample shown in Figure 3.1.

Sample description:	FallTech, SRL-R, Style 721560RT, Webbing: Technora®, Color: Technora® Rope (Black)
Sample identification:	Serial number when available identified in Table 4-1
Manufacturer:	FallTech
Additional information	Technora®, measured 8 mm x 5.4 mm
Number of samples tested:	7
Notes:	SRL has shock absorber, covering material not identified.

Figure 3.1: FallTech, SRL-R, Style 721560RT

4 Test Results:

Two mannequin torsos were placed at 120° in the arc test cage at a distance of 305 mm (12 in) from the electrodes. Samples were placed on each of the mannequins as shown in Figure 6.1.

After the arc exposure, the samples are examined and observations are given in Table 4-1 and additional comments in section 4.1.

Table 4-1: Summary of Test Results

	Trial # 24-2517		Trial # 24-2519	
Mannequin	**A**	**B**	**A**	**B**
Serial number	No serial # identified on label			
Exposure area	Webbing and shock absorber	SRL body	Webbing and shock absorber	Webbing and shock absorber
Incident Energy	39 cal/cm²	41 cal/cm²	41 cal/cm²	44 cal/cm²
Ignition or Afterflame time	0 s	0 s	0 s	0 s
Melting and Dripping	No	No	No	No
Acceptance Criteria	Meets	Meets	Meets	Meets

Note: Test 24-2518 did not have video record due to equipment malfunction. The test 24-2519 was then performed to obtain the full arc test record.

4.1 Observations:

Samples having met the visual performance criteria are marked as “Meets”. Samples marked as ‘Fails” indicate they do not meet the requirements due to long AF time or ignition. Photographs of the samples before and after the arc exposure are shown in Section 6.

- Charring was observed on the webbing, no melting or afterflame..
- The shock absorber has ablation on the outside layer of FR material but no penetration to the inside.
- The SRL body has charring on the surface, no afterflame or deformation of the SRL body was observed.

5 Interpretation of Results:

This testing does not assign an arc rating to this product. The purpose of this test is to observe the response characteristics of the lanyards when exposed to an open-air electric arc as described in ASTM F887-20.

The SRL body and rope webbing performed satisfactorily meeting the Visual inspection Criteria for Electric Arc Performance indicated in Table 1-1. ASTM F887-20 does not have a specific test method for SRL as such the agency shall review the results and apply a suitable test as soon as is practically possible to confirm the function of the SLR following the arc exposure.