Declaration of Conformity

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

FALLTECH®
Fall Protection. Precision Engineered.

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

Declaration #	C1011083	**Declaration Date**	10/11/2021

Tested Item #	**8209AFB**	**Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/ Looped End/Snap Hook**

Additional Items Conforming Under this Declaration:

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

ANSI Z359.3-2017 & ASTM F887 2020

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 17025:2005	**Level 2**: FallTech Lab Within the Scope of ISO/IEC Standard 17025:2005	**Level 3**: Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2005

Supporting Documentation	**PC-2403**

Authorized Signature _____

Name Zachary Winters **Title** Engineering Manager **Date** 10/11/2021

ACCREDITED

International Accreditation Service, Inc
3060 Saturn St, Ste 100
Brea, CA 92821 +1 562-364-8201

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-2403	**Rpt. Date**	10/11/2021	**Rpt. Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification(s)**		ANSI Z359.3-2017: 4.2.2, 4.2.3			
Part No.	8209ABF			**Part No. Revision**	A		
Part Description	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook						
Test Request No.	PC-2403			**Date Complete**	10/8/2021		
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
SST1	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook
SST2	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook
SST3	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook
DST1	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook
DST2	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook
DST3	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook

Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.3-2017 4.2.2	Static Strength	≥ 1000 Lbf	1039.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Slippage	≤ 3" Slippage	0.0"	Pass
	Static Strength	≥ 5000 Lbf	5028.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.3-2017 4.2.2	Static Strength	≥ 1000 Lbf	1028.1 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Slippage	≤ 3" Slippage	0.0"	Pass
	Static Strength	≥ 5000 Lbf	5028.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.3-2017 4.2.2	Static Strength	≥ 1000 Lbf	1031.3 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Slippage	≤ 3" Slippage	0.0"	Pass
	Static Strength	≥ 5000 Lbf	5024.9 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass

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Part Description	Adjustable Restraint Lanyard; Arc Flash 4' to 6' w/Snap Hook						
Test Request No.	PC-2403			**Date Complete**	10/8/2021		

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.3-2017 4.2.3	Dynamic Strength	Peak Impact Load ≥ 3,600 Lbf	5549.0 Lbf	Pass
	Hold	Remain Suspended ≥ 1 Minutes	1 Minutes	Pass
ANSI Z359.3-2017 4.2.3	Dynamic Strength	Peak Impact Load ≥ 3,600 Lbf	5543.2 Lbf	Pass
	Hold	Remain Suspended ≥ 1 Minutes	1 Minutes	Pass
ANSI Z359.3-2017 4.2.3	Dynamic Strength	Peak Impact Load ≥ 3,600 Lbf	5456.5 Lbf	Pass
	Hold	Remain Suspended ≥ 1 Minutes	1 Minutes	Pass

Conclusion

Based upon the samples provided to the Lab:
FallTech P/N 8209AFB Rev. A meets the requirements of ANSI Z359.3-2017 and ASTM F887-20

Report Signatories and Approval

Lab Quality Manager	Jay Sponholz	Date	10/11/2021

ArcWear
A KINECTRICS COMPANY

KINECTRICS

TESTING - EXPOSURE TO AN ELECTRIC ARC

Test Specimen:
FallTech, AF Label Cover, Style 413-00034,
Covering Material: Nomex Rip-stop Black

Requested by:
FallTech
1306 S Alameda St
Compton, CA 90221

Test Standard:
ELECTRIC ARC TESTS: ASTM F887-20
OBSERVATION OF PERSONAL CLIMBING EQUIPMENT EXPOSED TO AN ELECTRIC ARC

Test Report:
K-580468-2012H05-R00

Sample Received	Test Date	Report Date
December-14-2020	January-08-2021	January-12-2021

Prepared by

Robert Ferraz
Technologist, HCL
TD Technologies, Kinectrics

Approved by

Claude Maurice
Technical Specialist, HCL
TD Technologies, Kinectrics

For questions about this test report, please contact testing@arcwear.com

Revision History

Rev	Description		
00	Initial report creation		
	Issue Date Jan-12-2021	Prepared by Robert Ferraz	Approved by Claude Maurice
Rev	Description		
	Issue Date	Prepared by	Verified by

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 17025:2005). 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 of panels having a distance of 30.5 cm (12 inches) from 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 Description

Harnesses- The test program requires the specimens be placed on mannequins as normally worn. A minimum of eight samples are tested, four samples with the front facing the arc and four samples with the back side toward the arc. The mannequin is positioned as to have the arc centered on the chest for front facing exposure and centered on the fall arrest attachment for the back facing exposure.

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. These are placed over the shoulder and held against the mannequin or panel.

Other effects than the thermal effects of an electric arc like 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 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 per ANSI Z359.13 as applicable. This shall be done as soon as practically possible. The samples have been returned to the client as directed to perform the drop test.

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	Less than 5 seconds on load bearing materials and less than 15 seconds for accessories or non-load bearing components.
Melting/Dripping	No melting and dripping of molten materials to the floor of any load bearing material. Accessories are allowed to exhibit melting and dripping provided they are not ignited while dripping.