

# 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 # B1215059j

Declaration Date 2/10/2022

**Tested Item # 8073RFDM Arc Flash Nomex Construction Climbing FBH Medium 3D w/RSQ Loops MB Legs/MB Chest**

**Additional Items Conforming Under this Declaration:**

8073RFDS	8073RFDL	8073RFDXL	8073FDS	8073FDM	8073FDL	8073FDXL	8073RS
8073RM	8073RL	8073RXL	8073R2X	8073R3X	8073R4X	8073S	8073M
8073L	8073XL	8073QCS	8073QCM	8073QCL	8073QCXL	8073QC2X	8073QC3X
8073FDQCXS	8073FDQCS	8073FDQCM	8073FDQCL	8073FDQCXL	8073FDQC2X	8073FDQC3X	8074FDQCXS
8074FDQCS	8074FDQCM	8074FDQCL	8074FDQCXL	8074FDQ2X	8074FDQC3X	8077FDQCXS	8077FDQCS
8077FDQCM	8077FDQCL	8077FDQCXL	8077FDQC2X	8077FDQC3X	8078FDQCXS	8078FDQCS	8078FDQCM
8078FDQCL	8078FDQCXL	8078FDQC2X	8078FDQC3X				

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

**ANSI Z359.11-2014 & ASTM F887**

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

Level 1  Level 2  Level 3

<b>Level 1:</b> FallTech Lab Outside the Scope of ISO/IEC Standard 17025:2005	<b>Level 2:</b> FallTech Lab Within the Scope of ISO/IEC Standard 17025:2005	<b>Level 3:</b> Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2005
---	--	---

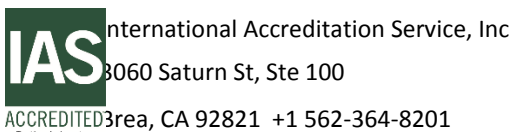
Supporting Documentation **PC-0762 PC-0762HF K-418809-1509H13-R00**

Authorized Signature

Name Zachary Winters

Title Engineering Manager

Date 2/10/2022



FallTech Lab - TL-594  
ISO/IEC 17025:2017  
Alexander Andrew Inc dba FallTech

### FallTech Test Report

<b>Test Report Number</b>	PC-0762	<b>Date</b>	12/23/2015	<b>Rev</b>		<b>Rev Date</b>	
<b>Report Prepared For</b>	FallTech						
<b>Initiated By</b>	Dan Redden	<b>Test Specification</b>	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
<b>Base Part #</b>	8073RFD	<b>Description</b>	Full Body Harness				
<b>Proposed Part #</b>	N/A	<b>Built By Whom</b>	Production	<b>BOM</b>	NO		
<b>Test Request #</b>	PC-0762	<b>Date Received</b>	11/10/2015	<b>Date Complete</b>	12/1/2015		
<b>Test Operator</b>	Yesbet Sierra	<b>Test Operator</b>	Oscar Jaramillo				

### Material/Sample Identification

Sample ID	Description
2613393	Full Body Harness
2613383	Full Body Harness
2613382	Full Body Harness
2613384	Full Body Harness
2613376	Full Body Harness
2613386	Full Body Harness
2613388	Full Body Harness
2613387	Full Body Harness
2613394	Full Body Harness
2613378	Full Body Harness
2613389	Full Body Harness
2613364	Full Body Harness
2613385	Full Body Harness
2613380	Full Body Harness
2613381	Full Body Harness
2613390	Full Body Harness
2613373	Full Body Harness
2613375	Full Body Harness
2613392	Full Body Harness
2613377	Full Body Harness
2613372	Full Body Harness

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communique dated January 2009).

*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*



## FallTech Test Report

<b>Test Report Number</b>	PC-0762	<b>Date</b>	12/23/2015	<b>Rev</b>		<b>Rev Date</b>	
<b>Report Prepared For</b>	FallTech						
<b>Initiated By</b>	Dan Redden	<b>Test Specification</b>	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
<b>Base Part #</b>	8073RFD	<b>Description</b>	Full Body Harness				
<b>Proposed Part #</b>	N/A	<b>Built By Whom</b>	Production	<b>BOM</b>	NO		
<b>Test Request #</b>	PC-0762	<b>Date Received</b>	11/10/2015	<b>Date Complete</b>	12/1/2015		

### Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.5	Static Strength (Dorsal D-ring)	3600 Lbf ≥ 1 Minute	3647.7 Lbf	Pass
	Static Strength (Dorsal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Dorsal D-ring)	3600 Lbf ≥ 1 Minute	3635.1 Lbf	Pass
	Static Strength (Dorsal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass
ANSI Z359.11-2014 4.3.5	Static Strength (Dorsal D-ring)	3600 Lbf ≥ 1 Minute	3635.7 Lbf	Pass
	Static Strength (Dorsal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communiqué dated January 2009).

*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*



## FallTech Test Report

Test Report Number	PC-0762	Date	12/23/2015	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
Base Part #	8073RFD	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production	BOM	NO		
Test Request #	PC-0762	Date Received	11/10/2015	Date Complete	12/1/2015		
ANSI Z359.11-2014 4.3.5	Static Strength (Sternal D-ring)	3600 Lbf ≥ 1 Minute	3634.7 Lbf	Pass			
	Static Strength (Sternal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass			
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass			
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass			
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass			
ANSI Z359.11-2014 4.3.5	Static Strength (Sternal D-ring)	3600 Lbf ≥ 1 Minute	3651.4 Lbf	Pass			
	Static Strength (Sternal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass			
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass			
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass			
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass			
ANSI Z359.11-2014 4.3.5	Static Strength (Sternal D-ring)	3600 Lbf ≥ 1 Minute	3656.3 Lbf	Pass			
	Static Strength (Sternal D-ring)	Harness shall not release Test Torso	Did Not Release	Pass			
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass			
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass			
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass			

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communique dated January 2009).

*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*



## FallTech Test Report

Test Report Number	PC-0762	Date	12/23/2015	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
Base Part #	8073RFD	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production	BOM	NO		
Test Request #	PC-0762	Date Received	11/10/2015	Date Complete	12/1/2015		
ANSI Z359.11-2014 4.3.5	Static Strength (Side D-ring)	3600 Lbf ≥ 1 Minute	3657.3 Lbf	Pass			
	Static Strength (Side D-ring)	Harness shall not release Test Torso	Did Not Release	Pass			
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass			
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass			
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass			
ANSI Z359.11-2014 4.3.5	Static Strength (Side D-ring)	3600 Lbf ≥ 1 Minute	3687.9 Lbf	Pass			
	Static Strength (Side D-ring)	Harness shall not release Test Torso	Did Not Release	Pass			
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass			
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass			
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass			
ANSI Z359.11-2014 4.3.5	Static Strength (Side D-ring)	3600 Lbf ≥ 1 Minute	3637.1 Lbf	Pass			
	Static Strength (Side D-ring)	Harness shall not release Test Torso	Did Not Release	Pass			
	Adjuster Slippage	Slippage ≤ 1"	0.0"	Pass			
	Tear Distance	Shall not tear further than adjacent eyelet	Did Not Tear	Pass			
	Tearing	Straps shall not show any signs of tearing	Did Not Tear	Pass			

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communique dated January 2009).

*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*



## FallTech Test Report

Test Report Number	PC-0762	Date	12/23/2015	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
Base Part #	8073RFD	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production	BOM	NO		
Test Request #	PC-0762	Date Received	11/10/2015	Date Complete	12/1/2015		
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring	Peak Impact Load $\geq 3,600$ Lbf	7296.7 Lbf	Pass			
	Dynamic Performance Dorsal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass			
	Dynamic Performance Dorsal D-ring	Remain Suspended for $\geq 5$ Minutes	5 Minutes	Pass			
	Dynamic Performance Dorsal D-ring	Angle at Rest $\leq 30^\circ$	5.45°	Pass			
	Dynamic Performance Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Dorsal D-ring	Harness Stretch Shall Not Exceed 18"	8.88"	Pass			
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring	Peak Impact Load $\geq 3,600$ Lbf	6439.8 Lbf	Pass			
	Dynamic Performance Dorsal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass			
	Dynamic Performance Dorsal D-ring	Remain Suspended for $\geq 5$ Minutes	5 Minutes	Pass			
	Dynamic Performance Dorsal D-ring	Angle at Rest $\leq 30^\circ$	1.15°	Pass			
	Dynamic Performance Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Dorsal D-ring	Harness Stretch Shall Not Exceed 18"	9.84"	Pass			

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communique dated January 2009).

*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*



## FallTech Test Report

Test Report Number	PC-0762	Date	12/23/2015	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
Base Part #	8073RFD	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production	BOM	NO		
Test Request #	PC-0762	Date Received	11/10/2015	Date Complete	12/1/2015		
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring	Peak Impact Load $\geq 3,600$ Lbf	7624.9 Lbf	Pass			
	Dynamic Performance Dorsal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass			
	Dynamic Performance Dorsal D-ring	Remain Suspended for $\geq 5$ Minutes	5 Minutes	Pass			
	Dynamic Performance Dorsal D-ring	Angle at Rest $\leq 30^\circ$	2.40°	Pass			
	Dynamic Performance Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Dorsal D-ring	Harness Stretch Shall Not Exceed 18"	11.40"	Pass			
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring	Peak Impact Load $\geq 3,600$ Lbf	3528.7 Lbf	Pass			
	Dynamic Performance Sternal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass			
	Dynamic Performance Sternal D-ring	Remain Suspended for $\geq 5$ Minutes	5 Minutes	Pass			
	Dynamic Performance Sternal D-ring	Angle at Rest $\leq 30^\circ$	23.45°	Pass			
	Dynamic Performance Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Sternal D-ring	Harness Stretch Shall Not Exceed 18"	14.64"	Pass			

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communique dated January 2009).

*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*



## FallTech Test Report

Test Report Number	PC-0762	Date	12/23/2015	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
Base Part #	8073RFD	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production	BOM	NO		
Test Request #	PC-0762	Date Received	11/10/2015	Date Complete	12/1/2015		
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring	Peak Impact Load ≥ 3,600 Lbf	3540.3 Lbf	Pass			
	Dynamic Performance Sternal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass			
	Dynamic Performance Sternal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass			
	Dynamic Performance Sternal D-ring	Angle at Rest ≤ 30°	21.80°	Pass			
	Dynamic Performance Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Sternal D-ring	Harness Stretch Shall Not Exceed 18"	13.68"	Pass			
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring	Peak Impact Load ≥ 3,600 Lbf	4232.8 Lbf	Pass			
	Dynamic Performance Sternal D-ring	Harness Shall Not Release Test Torso	Did Not Release	Pass			
	Dynamic Performance Sternal D-ring	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass			
	Dynamic Performance Sternal D-ring	Angle at Rest ≤ 30°	23.90°	Pass			
	Dynamic Performance Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Sternal D-ring	Harness Stretch Shall Not Exceed 18"	11.40"	Pass			

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communique dated January 2009).

*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*






**FallTech Test Report**

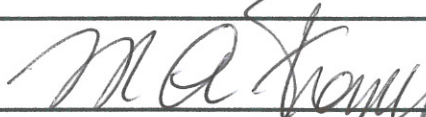
<b>Test Report Number</b>	PC-0762	<b>Date</b>	12/23/2015	<b>Rev</b>		<b>Rev Date</b>	
<b>Report Prepared For</b>	FallTech						
<b>Initiated By</b>	Dan Redden	<b>Test Specification</b>	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7 ASTM F887-13				
<b>Base Part #</b>	8073RFD	<b>Description</b>	Full Body Harness				
<b>Proposed Part #</b>	N/A	<b>Built By Whom</b>	Production	<b>BOM</b>	NO		
<b>Test Request #</b>	PC-0762	<b>Date Received</b>	11/10/2015	<b>Date Complete</b>	12/1/2015		
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Dorsal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Sternal D-ring	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
ANSI Z359.11-2014 4.3.7	Lanyard Parking Attachment Element	Disengagement load < 120 Lbf	Previously tested and Passed under PC-0761	Pass			

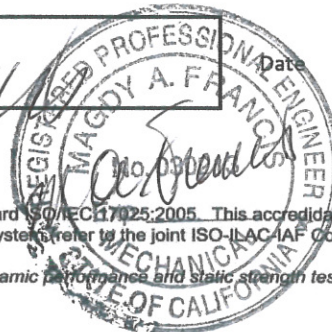
**Conclusion**

FallTech P/N 8073RFD meets the requirements of ANSI Z359.11-2014 and ASTM F887-13.

**Report Signatories and Approval**

<b>Lab Quality Manager</b>		<b>Date</b>	12/23/2015
----------------------------	---	-------------	------------

<b>Witnessed by</b>		<b>Date</b>	12/29/15
---------------------	---	-------------	----------



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communique dated January 2009).

FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.





Element Materials Technology  
3883 East Eagle Drive,  
Anaheim, CA 92807

T: 714 630-3003  
F: 714 630-4443  
info.anaheim@element.com  
element.com

April 16, 2018

FallTech Testing Laboratory  
1306 S. Alameda Street  
Compton, CA 90221

Attention: Jay Sponholz  
Quality Manager

Subject: **Attestation of Witnessing Testing**

**Element Job #** 380472-2  
**FallTech P.O.:** OPEN  
**Report No.:** PC-0762 HF  
**Base Part No.** 8073RFD  
**Description:** Full Body Harness

Dear Mr. Sponholz:

The purpose of this attestation is to attest to the fact that a representative of Element was on site at FallTech's facilities to confirm suitability of the equipment used, calibration status of the equipment and to witness testing performed by FallTech employees. Details of this visit are included below:



- Date of Testing:
  - April 12, 2018
- Element Test Witness:
  - 4/12/2018 – Kevin Ton
- FallTech Test Operators:
  - Yesbet Sierra/Jay Sponholz
- Specification:

ANSI Z359.11-2014 Sections: 4.3.4

- Equipment Calibration Interval
  - 1 year, except weights which are 5 years

Attached to this attestation is the test report generated by FallTech Testing Laboratory. Element test witness certifies the report accurately presents the testing performed on the samples identified.

Test Report #	Date	Base Part #	Description	Sample ID's	Results
PC-0762 HF	4/12/2018	8073RFD	Full Body Harness	HF1 HF2 HF3	Pass

<b>Test Witness Signature:</b>  Kevin Ton	<b>(Signed for and on behalf of Element)</b>    
---	--

This attestation shall not be reproduced except in full, without the written approval of Element-Anaheim. The laboratory has witnessed the testing the material / items supplied by the client as sampled by the client. The testing is not within Element-Anaheim's L.A.B scope of testing and was not performed at Element-Anaheim.



### FallTech Test Report

<b>Test Report No.</b>	PC-0762 HF	<b>Rpt. Date</b>	4/16/2018	<b>Rpt. Rev</b>		<b>Rev Date</b>	
<b>Report Prepared For</b>	FallTech						
<b>Initiated By</b>	Dan Redden	<b>Test Specification(s)</b>	ANSI Z359.11-2014; 4.3.4				
<b>Part No.</b>	8073RFD	<b>Part No. Revision</b>	A				
<b>Part Description</b>	Full Body Harness						
<b>Test Request No.</b>	PC-0762 HF	<b>Date Complete</b>	4/12/2018				
<b>Test Operator(s)</b>	Yesbet Sierra / Jay Sponholz						

### Material/Sample Identification

Sample ID	Description
HF1	Full Body Harness
HF2	Full Body Harness
HF3	Full Body Harness

### Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load ≥ 3,600 Lbf	4878.5 Lbf	Pass
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring (Head First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest ≤ 30°	4.4°	Pass
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load ≥ 3,600 Lbf	4802.8 Lbf	Pass
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring (Head First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest ≤ 30°	0.6°	Pass
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass

### FallTech Test Report

Test Report No.	PC-0762 HF	Rpt. Date	4/16/2018	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014; 4.3.4				
Part No.	8073RFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-0762 HF	Date Complete	4/12/2018				

#### Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load ≥ 3,600 Lbf	4402.1 Lbf Pass
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall Not Release Test Torso	Did Not Release Pass
	Dynamic Performance Dorsal D-ring (Head First)	Remain Suspended for ≥ 5 Minutes	5 Minutes Pass
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest ≤ 30°	2.3° Pass
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed Pass



#### Conclusion

Based upon the samples provided to the Lab:  
 FallTech P/N 8073RFD Rev. A meets the requirements of ANSI Z359.11-2014. 4.3.4

#### Test Exceptions

\* Harness has been dynamically tested and subjected to forces of 5,000 Lbs. or more. Energy absorbing properties inherent to the harness prevented residual force readings equal to or greater than the 3,600 Lbs. required by the standard.

#### Report Signatories and Approval

Lab Quality Manager	Jay Sponholz 	Date	4/16/2018
Witnessed by	Kevin Ton 	Date	4/16/2018





Test Performed for  
ArcWear.com  
Louisville, KY 40223  
[www.ArcWear.com](http://www.ArcWear.com)

Personal Climbing Equipment provided by  
**FallTech**  
**1306 S Alameda St**  
**Compton, CA 90221**  
**800.719.4619**

**8073RFDM, Full Body Harness**

---

ASTM F887-13 Standard Specifications for Personal Climbing Equipment  
Section 22, Electric Arc Performance Evaluation

---

**Kinectrics Inc. Report No.: K-418809-1509H13-R00**

Item received: September 23, 2015

Test Date: September 23, 2015

Client representative: Hugh Hoagland \_\_\_\_\_  
ArcWear

Prepared by: Andrew Haines \_\_\_\_\_  
Technologist  
Kinectrics Inc

Approved by: Claude Maurice \_\_\_\_\_  
Laboratory Manager, HCL  
Kinectrics Inc

Kinectrics Inc takes reasonable steps to ensure that all work performed shall meet the industry standards as set out in Kinectrics Inc.'s Quality Manual, and that all reports shall be reasonably free of errors, inaccuracies or omissions. KINETRICS INC. DOES NOT MAKE ANY WARRANTY OR REPRESENTATION WHATSOEVER, EXPRESS OR IMPLIED, WITH RESPECT TO THE MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY INFORMATION CONTAINED IN THIS REPORT OR THE RESPECTIVE WORKS OR SERVICES SUPPLIED OR PERFORMED BY KINETRICS INC. Kinectrics Inc. does not accept any liability for any damages, either directly, consequentially or otherwise resulting from the use of this report.

Note about this report

- The test performed does not apply to electrical contact or electrical shock hazard
- The test result is applicable only to the Test Item, other material or color may have a different response.
- The findings of this report are based on the current test method as described in the Reference Standard
- It is assumed that the information supplied by the client was valid and complete

Kinectrics Inc., 800 Kipling Avenue, Toronto, Ontario, Canada, M8Z 6C4  
Tel: 416-207-6305, FAX: 416-207-5717  
[www.kinectrics.com](http://www.kinectrics.com)

## Electric Arc Exposure Test Report

### **Test Description**

*Harnesses-* The test program requires the specimens be placed on mannequins as normally worn. A minimum of six samples are tested, three samples with the front facing the arc and three 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. These may be attached webbing or other suitable means to allow the item to be held against the mannequin or panel at a distance of 30.5 cm (12 inches).

*Shock 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 at a distance of 30.5 cm (12 inches). Several lanyards may be tested at one time on the same mannequin.

### **Test Requirements**

The test standard requires that the finished personal climbing equipment be exposed to a level of  $40 \pm 5$  cal/cm<sup>2</sup>. In the case where the arc exposure is out of range of the standard, extra samples may be performed if available. There shall be no ignition of any component, no greater than 5 seconds afterflame and no melting and dripping of any materials.

As proof of performance following the arc exposure, the exposed test specimens shall be subjected to a drop test per ANSI Z359.1 or Z349.13 as applicable. This shall be done as soon as practically possible. ArcWear has arranged to have the test items returned to the client or other laboratory to perform the drop test.

### **Results and Observations**

The following test data was recorded for each trial:

- Arc exposure electrical conditions: arc trial number, RMS arc current, arc voltage, arc duration, energy dissipated in arc, plots of arc current and arc voltage
- Average incident energy from monitors.
- Photographs of exposed samples before and after exposure
- Video recording during and immediately after the exposure to record after-flame
- Examination of the samples after the test for evidence of ignition, melting and dripping or any other material problems.

The essential test data and test results with a representative photograph of the samples are presented in the following pages. The observations are performed by a qualified observer that has knowledge of behavior of materials in an arc exposure and in depth knowledge of arc testing specifications and requirements.

### **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 recognized throughout the world.

**Sample description:** Full Body Harness  
**Sample identification:** 8073RFDM  
**Material of webbing:** Nomex

<b>Trial # 15-6260</b>		
Mannequin	A – front exposure	B – back exposure
Item Serial #	N/A	N/A
Ei, cal/cm <sup>2</sup>	42.2	40.3
Afterflame	1	1
Ignition	N	N
Melting and dripping	N	N
Comment	Pass	Pass
<b>Trial # 15-6262</b>		
Mannequin	A – front exposure	B – back exposure
Item Serial #	N/A	N/A
Ei, cal/cm <sup>2</sup>	42.8	41.0
Afterflame	1	1
Ignition	N	N
Melting and dripping	N	N
Comment	Pass	Pass
<b>Trial # 15-6263</b>		
Mannequin	A – front exposure	B – back exposure
Item Serial #	N/A	N/A
Ei, cal/cm <sup>2</sup>	44.0	39.7
Afterflame	1.5	1.0
Ignition	N	N
Melting and dripping	N	N
Comment	Pass	Pass

**Conclusions**

The 8073RFDM Full Body Harness has met the no melting, no dripping, no ignition criteria of ASTM F887-13 section 22.8. In order to satisfy the Electric Arc Performance requirements in accordance with section 22 of the standard, the test specimens must pass the specified drop test following arc exposure.