

Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014



Alexander Andrew, Inc. 1306 S. Alameda St Compton, CA 90221

Declaration #

B0917027a

Declaration Date

9.1.17

Tested Item #

7081MFD

ComforTech 4D Construction Belted FBH

Additional Items Conforming Under this Declaration:

7081SFD

70812XFD

7081XLFD

7081LFD

7081XSFD

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

ANSI Z359.11-2014

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

Level 1

Level 2

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-1208

Authorized Signature

Name

Martin Barila

Title

VP of Operations

Date

2.14.18

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Testing. Advising. Assuring.

September 5, 2017

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

Attention: Jay Sponholz
Quality Manager

Subject: **Attestation of Witnessing Testing**
Exova OCM Job # 371174-18
FallTech P.O.: OPEN
Report No.: PC-1208
Base Part No. 7081MFD
Description: Full Body Harness

Dear Mr. Sponholz:

The purpose of this attestation is to attest to the fact that a representative of Exova OCM 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:
 - August 31, 2017
- Exova OCM Test Witness:
 - 8/31/17 - Nolan Schatzle
- FallTech Test Operators:
 - Yesbet Sierra/Jay Sponholz
- Specification:


ANSI Z359.11-2014 Sections 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7

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

Attached to this attestation is the test report generated by FallTech Testing Laboratory. Exova OCM 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-1208	8/31/17	7081MFD	Full Body Harness	4027119	Pass
				4027100	
				4027112	
				4027106	
				4027115	
				4027098	
				4027110	
				4027118	
				4027122	
				4027117	
				4027108	
				4027096	
				4027114	
				4027097	
				4027099	
				4027107	
				4027102	
4027111					
4027103					
4027104					
4027113					
4027116					
4027109					
4027101					

Test Witness Signature: Nolan Schatzle Technician Mechanical Laboratory	(Signed for and on behalf of Exova-OCM) 	
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Approval Signature: Victor Mendez Production Manager	(Signed for and on behalf of Exova-OCM) 
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This attestation shall not be reproduced except in full, without the written approval of Exova-OCM. The laboratory has witnessed the testing the material / items supplied by the client as sampled by the client. The testing is not within Exova OCM's L.A.B scope of testing and was not performed at Exova OCM.



FallTech Test Report

Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7				
Part No.	7081MFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-1208	Date Complete	8/31/2017				
Test Operator(s)	Yesbet Sierra, Jay Sponholz						

Material/Sample Identification

Sample ID	Description
4027119	Full Body Harness
4027100	Full Body Harness
4027112	Full Body Harness
4027106	Full Body Harness
4027115	Full Body Harness
4027098	Full Body Harness
4027110	Full Body Harness
4027118	Full Body Harness
4027122	Full Body Harness
4027117	Full Body Harness
4027108	Full Body Harness
4027096	Full Body Harness
4027114	Full Body Harness
4027097	Full Body Harness
4027099	Full Body Harness
4027107	Full Body Harness
4027102	Full Body Harness
4027111	Full Body Harness
4027103	Full Body Harness
4027104	Full Body Harness
4027113	Full Body Harness
4027116	Full Body Harness
4027109	Full Body Harness
4027101	Full Body Harness



FallTech Test Report

Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7				
Part No.	7081MFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-1208	Date Complete	8/31/2017				

Test Summary

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.5	Static Strength (Dorsal D-ring)	3600 Lbf \geq 1 Minute	3647.3 Lbf Pass
	Static Strength (Dorsal D-ring)	Harness Shall Not Release Test Torso	Did Not Release Pass
	Adjuster Slippage	Slippage \leq 1"	0.0" Pass
	Tear Distance (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through 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 \geq 1 Minute	3641.0 Lbf Pass
	Static Strength (Dorsal D-ring)	Harness Shall Not Release Test Torso	Did Not Release Pass
	Adjuster Slippage	Slippage \leq 1"	0.0" Pass
	Tear Distance (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through 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 \geq 1 Minute	3645.9 Lbf Pass
	Static Strength (Dorsal D-ring)	Harness Shall Not Release Test Torso	Did Not Release Pass
	Adjuster Slippage	Slippage \leq 1"	0.0" Pass
	Tear Distance (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through Pass
	Tearing	Straps Shall Not Show Any Signs of Tearing	Did Not Tear Pass



FallTech Test Report

Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7				
Part No.	7081MFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-1208	Date Complete	8/31/2017				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.5	Static Strength (Sternal D-ring)	3600 Lbf ≥ 1 Minute	3641.6 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 (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through 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	3661.3 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 (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through 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	3637.9 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 (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through Pass
	Tearing	Straps Shall Not Show Any Signs of Tearing	Did Not Tear Pass



FallTech Test Report

Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7				
Part No.	7081MFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-1208	Date Complete	8/31/2017				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.5	Static Strength (Side D-rings)	3600 Lbf ≥ 1 Minute	3639.9 Lbf Pass
	Static Strength (Side D-rings)	Harness Shall Not Release Test Torso	Did Not Release Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0" Pass
	Tear Distance (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through 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-rings)	3600 Lbf ≥ 1 Minute	3641.9 Lbf Pass
	Static Strength (Side D-rings)	Harness Shall Not Release Test Torso	Did Not Release Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0" Pass
	Tear Distance (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through 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-rings)	3600 Lbf ≥ 1 Minute	3645.1 Lbf Pass
	Static Strength (Side D-rings)	Harness Shall Not Release Test Torso	Did Not Release Pass
	Adjuster Slippage	Slippage ≤ 1"	0.0" Pass
	Tear Distance (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet	Did Not Tear Through Pass
	Tearing	Straps Shall Not Show Any Signs of Tearing	Did Not Tear Pass



FallTech Test Report

Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7				
Part No.	7081MFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-1208	Date Complete	8/31/2017				

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	4905.4 Lbf	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest $\leq 30^\circ$	1.5°	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	10.8"	Pass
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	5226.7 Lbf	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest $\leq 30^\circ$	3.7°	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	9.6"	Pass
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	4848.0 Lbf	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest $\leq 30^\circ$	4.5°	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	10.8"	Pass



FallTech Test Report

Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7				
Part No.	7081MFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-1208	Date Complete	8/31/2017				

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	3788.6 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°	5.5°	Pass
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Deploy	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	4262.0 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°	1.5°	Pass
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Deploy	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	3411.9 Lbf	*
	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°	1.0°	Pass
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass



FallTech Test Report

Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7				
Part No.	7081MFD	Part No. Revision	A				
Part Description	Full Body Harness						
Test Request No.	PC-1208	Date Complete	8/31/2017				

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	3573.0 Lbf	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Angle at Rest ≤ 50°	22.0°	Pass
	Dynamic Performance Sternal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	13.2"	Pass
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	3701.1 Lbf	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Angle at Rest ≤ 50°	29.6°	Pass
	Dynamic Performance Sternal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	13.2"	Pass
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	4031.8 Lbf	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Remain Suspended for ≥ 5 Minutes	5 Minutes	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Angle at Rest ≤ 50°	31.7°	Pass
	Dynamic Performance Sternal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	10.8"	Pass



FallTech Test Report						
Test Report No.	PC-1208	Rpt. Date	9/1/2017	Rpt. Rev		Rev Date
Report Prepared For	FallTech					
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.4, 4.3.6, 4.3.7			
Part No.	7081MFD	Part No. Revision	A			
Part Description	Full Body Harness					
Test Request No.	PC-1208	Date Complete	8/31/2017			

Test Summary (Continued)				
Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Dorsal D-ring)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Dorsal D-ring)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Dorsal D-ring)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Sternal D-ring)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Sternal D-ring)	At Least One Fall Arrest Indicator Shall Deploy	Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Sternal D-ring)	At Least One Fall Arrest Indicator Shall Deploy	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-0606	Pass


Conclusion

Based upon the samples provided to the Lab:
 FallTech P/N 7081MFD Rev. A meets the requirements of ANSI Z359.11-2014.

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		Date	9/1/2017
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Witnessed by	Nolan Schatzle 	Date	9-5-17
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