

Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014



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

Declaration #

C0617056b

Declaration Date

6.13.17

Tested Item #

8247EA

4½ - 6' Ironman® Energy Absorbing Lanyard

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 performance standard(s):

ANSI Z359.13-2013

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-1137

PC-1167

Authorized Signature

Name

Martin Barila

Title

VP of Operations

Date

11.7.17

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Testing. Advising. Assuring.

June 15, 2017

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

Attention: Jay Sponholz
Quality Manager

Subject: **Attestation of Witnessing Testing**
Exova OCM Job # 370839-6
FallTech P.O.: OPEN
Report No.: PC-1137
Base Part No. 8247EA
Description: Y-Leg Energy Absorbing Lanyard

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:

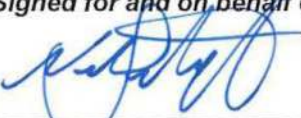

- Date of Testing:
 - June 8, 2017
- Exova OCM Test Witness:
 - 6/8/17 -Nolan Schatzle
- FallTech Test Operators:
 - Yesbet Sierra/Jay Sponholz
- Specification:

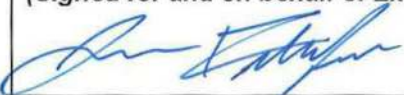

ANSI Z359.13-2013 Sections 4.7.1, 4.7.2, 4.7.3, 4.8, 4.9, 4.13.1, 4.13.2, 4.13.3

- 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-1137	6/8/17	8247EA	Energy Absorbing Lanyard	S1 S2 S3 D1 D2 D3 S1 S2 S3 D1 D2 D3 W1 W2 W3 C1 C2 C3 H1 H2 H3	Pass

Test Witness Signature: Nolan Schatzle Technician Mechanical Laboratory	(Signed for and on behalf of Exova-OCM) 	
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Approval Signature: Jim Rutherford Active Quality 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-1137	Rpt. Date	6/13/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.13-2013 4.5, 4.6, 4.13.1, 4.13.2, 4.13.3				
Part No.	8247EA	Part No. Revision	A				
Part Description	12FF Energy Absorbing Lanyard						
Test Request No.	PC-1137	Date Complete	6/8/2017				
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
S1	12FF Energy Absorbing Lanyard
S2	12FF Energy Absorbing Lanyard
S3	12FF Energy Absorbing Lanyard
S1	12FF Energy Absorbing Lanyard
S2	12FF Energy Absorbing Lanyard
S3	12FF Energy Absorbing Lanyard
W1	12FF Energy Absorbing Lanyard
W2	12FF Energy Absorbing Lanyard
W3	12FF Energy Absorbing Lanyard
C1	12FF Energy Absorbing Lanyard
C2	12FF Energy Absorbing Lanyard
C3	12FF Energy Absorbing Lanyard
H1	12FF Energy Absorbing Lanyard
H2	12FF Energy Absorbing Lanyard
H3	12FF Energy Absorbing Lanyard



FallTech Test Report

Test Report No.	PC-1137	Rpt. Date	6/13/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.13-2013 4.5, 4.6, 4.13.1, 4.13.2, 4.13.3				
Part No.	8247EA	Part No. Revision	A				
Part Description	12FF Energy Absorbing Lanyard						
Test Request No.	PC-1137	Date Complete	6/8/2017				

Test Summary

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.13-2013 4.5	Arrest Distance	≤ 60"	53.4"	Pass
	Max Arrest Force	≤ 1800 Lbf	1176.9 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	881.4 Lbf	Pass
ANSI Z359.13-2013 4.5	Arrest Distance	≤ 60"	55.4"	Pass
	Max Arrest Force	≤ 1800 Lbf	1191.5 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	882.4 Lbf	Pass
ANSI Z359.13-2013 4.5	Arrest Distance	≤ 60"	54.9"	Pass
	Max Arrest Force	≤ 1800 Lbf	1173.6 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	865.6 Lbf	Pass
ANSI Z359.13-2013 4.6	Static Strength	≥ 5000 Lbf	5022.2 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.13-2013 4.6	Static Strength	≥ 5000 Lbf	5023.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.13-2013 4.6	Static Strength	≥ 5000 Lbf	5030.2 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.13-2013 4.13.1	Arrest Distance	≤ 60"	48.9"	Pass
	Max Arrest Force	≤ 1800 Lbf	1394.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	1000.0 Lbf	Pass
ANSI Z359.13-2013 4.13.1	Arrest Distance	≤ 60"	48.3"	Pass
	Max Arrest Force	≤ 1800 Lbf	1392.1 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	939.4 Lbf	Pass
ANSI Z359.13-2013 4.13.1	Arrest Distance	≤ 60"	43.8"	Pass
	Max Arrest Force	≤ 1800 Lbf	1327.2 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	950.6 Lbf	Pass



FallTech Test Report							
Test Report No.	PC-1137	Rpt. Date	6/13/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.13-2013 4.5, 4.6, 4.13.1, 4.13.2, 4.13.3				
Part No.	8247EA	Part No. Revision	A				
Part Description	12FF Energy Absorbing Lanyard						
Test Request No.	PC-1137	Date Complete	6/8/2017				

Test Summary (Continued)				
Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.13-2013 4.13.2	Arrest Distance	≤ 60"	44.8"	Pass
	Max Arrest Force	≤ 1800 Lbf	1277.5 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	990.7 Lbf	Pass
ANSI Z359.13-2013 4.13.2	Arrest Distance	≤ 60"	43.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1376.0 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	951.1 Lbf	Pass
ANSI Z359.13-2013 4.13.2	Arrest Distance	≤ 60"	44.2"	Pass
	Max Arrest Force	≤ 1800 Lbf	1333.8 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	935.2 Lbf	Pass
ANSI Z359.13-2013 4.13.3	Arrest Distance	≤ 60"	57.4"	Pass
	Max Arrest Force	≤ 1800 Lbf	1490.6 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	918.9 Lbf	Pass
ANSI Z359.13-2013 4.13.3	Arrest Distance	≤ 60"	53.3"	Pass
	Max Arrest Force	≤ 1800 Lbf	1281.9 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	907.7 Lbf	Pass
ANSI Z359.13-2013 4.13.3	Arrest Distance	≤ 60"	50.8"	Pass
	Max Arrest Force	≤ 1800 Lbf	1359.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	900.7 Lbf	Pass

Conclusion	
FallTech P/N 8247EA Rev. A meets the requirements of ANSI Z359.13-2013	

Report Signatories and Approval			
Lab Quality Manager		Date	6/13/2017
Witnessed by	Nolan Schatale 	Date	6-15-17

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Testing. Advising. Assuring.

July 31, 2017

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

Attention: Jay Sponholz
Quality Manager

Subject: **Attestation of Witnessing Testing**
Exova OCM Job # 371118-4
FallTech P.O.: OPEN
Report No.: PC-1167
Base Part No. 8247EA
Description: Ironman 6' Shock Absorbing Lanyard 6' free fall

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:

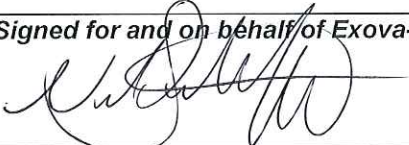

- Date of Testing:
 - July 20, 2017
- Exova OCM Test Witness:
 - 7/20/17 -Nolan Schatzle
- FallTech Test Operators:
 - Yesbet Sierra/Jay Sponholz
- Specification:


ANSI Z359.13-2013 Sections 4.5, 4.6, 4.13.1, 4.13.2, 4.13.3

- 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-1167	7/20/17	8247EA	Ironman 6' Shock Absorbing Lanyard 6' free fall	4003105 4003100 4003108 4003105 4003100 4003108 4003104 4003101 4003106 4003099 4003102 4003098 4003103 4003107 4003097	Pass

Test Witness Signature: Nolan Schatzle Technician Mechanical Laboratory	<i>(Signed for and on behalf of Exova-OCM)</i> 	
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Approval Signature: Victor Mendez Production Manager	<i>(Signed for and on behalf of Exova-OCM)</i> 
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FallTech Test Report

Test Report No.	PC-1167	Rpt. Date	7/26/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.13-2013 4.5, 4.6, 4.13.1, 4.13.2, 4.13.3				
Part No.	8247EA	Part No. Revision	A				
Part Description	Ironman 6' Shock Absorbing Lanyard 6' free fall						
Test Request No.	PC-1167	Date Complete	7/20/2017				
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
4003105	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003100	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003108	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003105	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003100	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003108	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003104	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003101	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003106	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003099	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003102	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003098	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003103	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003107	Ironman 6' Shock Absorbing Lanyard 6' free fall
4003097	Ironman 6' Shock Absorbing Lanyard 6' free fall



FallTech Test Report

Test Report No.	PC-1167	Rpt. Date	7/26/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.13-2013 4.5, 4.6, 4.13.1, 4.13.2, 4.13.3				
Part No.	8247EA	Part No. Revision	A				
Part Description	Ironman 6' Shock Absorbing Lanyard 6' free fall						
Test Request No.	PC-1167	Date Complete	7/20/2017				

Test Summary

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.13-2013 4.5	Arrest Distance	≤ 48"	32.5"	Pass
	Max Arrest Force	≤ 1800 Lbf	1095.4 Lbf	Pass
	Avg Arrest Force	≤ 900 Lbf	856.0 Lbf	Pass
ANSI Z359.13-2013 4.5	Arrest Distance	≤ 48"	31.5"	Pass
	Max Arrest Force	≤ 1800 Lbf	1232.9 Lbf	Pass
	Avg Arrest Force	≤ 900 Lbf	881.5 Lbf	Pass
ANSI Z359.13-2013 4.5	Arrest Distance	≤ 48"	30.8"	Pass
	Max Arrest Force	≤ 1800 Lbf	1201.6 Lbf	Pass
	Avg Arrest Force	≤ 900 Lbf	859.4 Lbf	Pass
ANSI Z359.13-2013 4.6	Static Strength	≥ 5000 Lbf	5024.6 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.13-2013 4.6	Static Strength	≥ 5000 Lbf	5041.1 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.13-2013 4.6	Static Strength	≥ 5000 Lbf	5043.9 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
ANSI Z359.13-2013 4.13.1	Arrest Distance	≤ 48"	30.8"	Pass
	Max Arrest Force	≤ 1800 Lbf	1515.7 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	894.4 Lbf	Pass
ANSI Z359.13-2013 4.13.1	Arrest Distance	≤ 48"	31.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1389.3 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	885.1 Lbf	Pass
ANSI Z359.13-2013 4.13.1	Arrest Distance	≤ 48"	32.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1125.8 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	878.6 Lbf	Pass



FallTech Test Report

Test Report No.	PC-1167	Rpt. Date	7/26/2017	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.13-2013 4.5, 4.6, 4.13.1, 4.13.2, 4.13.3				
Part No.	8247EA	Part No. Revision	A				
Part Description	Ironman 6' Shock Absorbing Lanyard 6' free fall						
Test Request No.	PC-1167	Date Complete	7/20/2017				


Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.13-2013 4.13.2	Arrest Distance	≤ 48"	28.2"	Pass
	Max Arrest Force	≤ 1800 Lbf	1231.1 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	877.4 Lbf	Pass
ANSI Z359.13-2013 4.13.2	Arrest Distance	≤ 48"	28.4"	Pass
	Max Arrest Force	≤ 1800 Lbf	1300.4 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	875.6 Lbf	Pass
ANSI Z359.13-2013 4.13.2	Arrest Distance	≤ 48"	27.5"	Pass
	Max Arrest Force	≤ 1800 Lbf	1317.8 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	929.6 Lbf	Pass
ANSI Z359.13-2013 4.13.3	Arrest Distance	≤ 48"	33.3"	Pass
	Max Arrest Force	≤ 1800 Lbf	1328.5 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	901.4 Lbf	Pass
ANSI Z359.13-2013 4.13.3	Arrest Distance	≤ 48"	34.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1246.8 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	873.2 Lbf	Pass
ANSI Z359.13-2013 4.13.3	Arrest Distance	≤ 48"	32.3"	Pass
	Max Arrest Force	≤ 1800 Lbf	1332.6 Lbf	Pass
	Avg Arrest Force	≤ 1125 Lbf	899.0 Lbf	Pass

Conclusion

FallTech P/N 8247EA Rev. A meets the requirements of ANSI Z359.13-2013

Report Signatories and Approval

Lab Quality Manager		Date	7/26/2017
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Witnessed by		Date	7-31-17
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