

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 #

B0720138

Declaration Date

7/24/2020

Tested Item #

8141SM

Additional Items Conforming Under this Declaration:

8141LXL 81412X3X

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

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-1897

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

7/20/2020



International Accreditation Service, Inc
3060 Saturn St, Ste 100
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FallTech Lab - TL-594
ISO/IEC 17025:2005
Alexander Andrew Inc dba FallTech

FallTech Test Report

| | | | | | | | |
|----------------------------|------------------------------|------------------------------|---|-----------------|--|-----------------|--|
| Test Report No. | PC-1897 | Rpt. Date | 7/24/2020 | 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, 4.3.7 | | | | |
| Part No. | 8141SM | Part No. Revision | A | | | | |
| Part Description | Ironworker Full Body Harness | | | | | | |
| Test Request No. | PC-1897 | Date Complete | 7/23/2020 | | | | |
| Test Operator(s) | Jay Sponholz | | | | | | |

Material/Sample Identification

| Sample ID | Description |
|-----------|-------------------|
| SST1 | Full Body Harness |
| SST2 | Full Body Harness |
| SST3 | Full Body Harness |
| DPTFF1 | Full Body Harness |
| DPTFF2 | Full Body Harness |
| DPTFF3 | Full Body Harness |
| DPTHF1 | Full Body Harness |
| DPTHF2 | Full Body Harness |
| DPTHF3 | Full Body Harness |
| LP1 | Full Body Harness |
| LP2 | Full Body Harness |
| LP3 | Full Body Harness |



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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 | 3627.8 Lbf | Pass |
| | Static Strength (Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.29" | 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 | 3648.8 Lbf | Pass |
| | Static Strength (Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.35" | 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 | 3656.3 Lbf | Pass |
| | Static Strength (Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.38" | 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 |



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| Part Description | Ironworker Full Body Harness | | | | | | |
| Test Request No. | PC-1897 | Date Complete | 7/23/2020 | | | | |

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 | 4755.4 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 $\leq 30^\circ$ | 2.2° | 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" | 11.4" | Pass |
| ANSI Z359.11-2014 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 4446.3 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 $\leq 30^\circ$ | 4.1° | 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" | 11.5" | Pass |
| ANSI Z359.11-2014 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 3703.1 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 $\leq 30^\circ$ | 3.2° | 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" | 11.1" | Pass |



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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 | 1689.2 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° | 8.5° | 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 | 1755.2 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° | 5.2° | 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 | 2217.4 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° | 5.8° | Pass |
| | Dynamic Performance Dorsal D-ring (Head First) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |



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| Part Description | Ironworker Full Body Harness | | | | | | |
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Test Summary (Continued)

| Test Specification | Test Criteria | Test Result | Pass/Fail |
|----------------------------|---|-------------|-----------|
| ANSI Z359.11-2014 4.3.7 | Lanyard Parking Attachment Element Disengagement Load ≤ 120 Lbf | 31.9 Lbf | Pass |
| ANSI Z359.11-2014 4.3.7 | Lanyard Parking Attachment Element Disengagement Load ≤ 120 Lbf | 16.3 Lbf | Pass |
| ANSI Z359.11-2014 4.3.7 | Lanyard Parking Attachment Element Disengagement Load ≤ 120 Lbf | 22.2 Lbf | Pass |

Conclusion

Based upon the samples provided to the Lab:
 FallTech P/N 8141SM 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 | 7/24/2020 |
| Witnessed by | Not Required | Date | N/A |

