# 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 #** | B1020141 | **Declaration Date** | 10/8/2020 |
|---|---|---|---|

| **Tested Item #** | **8127BM** | **FT-One FBH 3D Construction Belted, Medium, TB Legs/QC Chest, Back Adj** |
|---|---|---|

**Additional Items Conforming Under this Declaration:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **8127BXS** | **8127BS** | **8127BL** | **8127BXL** | **8127B2X** | **8127B3X** | **8128BXS** | **8128BS** |
| **8128BM** | **8128BL** | **8128BXL** | **8128B2X** | **8128B3X** | | | |

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

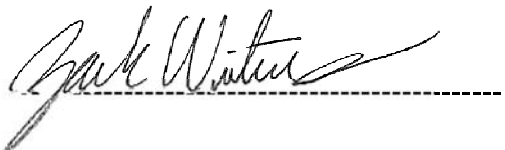
## ANSI Z359.11-2014

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

| **Level 1** | | **Level 2** | **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-2029** |
|---|---|

**Authorized Signature** 

**Name** Zachary Winters **Title** Engineering Manager **Date** 10/8/2020

ACCREDITED

International Accreditation Service, Inc
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FallTech Lab - TL-594
ISO/IEC 17025:2005
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-2029 | **Rpt. Date** | 10/7/2020 | **Rpt. Rev** | | **Rev Date** | |
| **Report Prepared For** | FallTech | | | | | | |
| **Initiated By** | Dan Redden | **Test Specification(s)** | | ANSI Z359.11-2014<br>4.3.5, 4.3.3, 4.3.4, 4.3.6 | | | |
| **Part No.** | 8127BM | | | **Part No. Revision** | A | | |
| **Part Description** | FT-One Full Body Harness 3D Construction Belted | | | | | | |
| **Test Request No.** | PC-2029 | | | **Date Complete** | 10/5/2020 | | |
| **Test Operator(s)** | Yesbet Sierra / Jay Sponholz | | | | | | |

## Material/Sample Identification

| Sample ID | Description |
|---|---|
| 5553329 | FT-One Full Body Harness 3D Construction Belted |
| 5553324 | FT-One Full Body Harness 3D Construction Belted |
| 5553326 | FT-One Full Body Harness 3D Construction Belted |
| 5553328 | FT-One Full Body Harness 3D Construction Belted |
| 5553330 | FT-One Full Body Harness 3D Construction Belted |
| 5553327 | FT-One Full Body Harness 3D Construction Belted |
| 5553333 | FT-One Full Body Harness 3D Construction Belted |
| 5553332 | FT-One Full Body Harness 3D Construction Belted |
| 5553334 | FT-One Full Body Harness 3D Construction Belted |
| 5553331 | FT-One Full Body Harness 3D Construction Belted |
| 5553336 | FT-One Full Body Harness 3D Construction Belted |
| 5553335 | FT-One Full Body Harness 3D Construction Belted |
| 5553328 | FT-One Full Body Harness 3D Construction Belted |
| 5553330 | FT-One Full Body Harness 3D Construction Belted |
| 5553327 | FT-One Full Body Harness 3D Construction Belted |

## Test Summary

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|---|---|---|---|---|
| ANSI Z359.11-2014<br>4.3.5 | Static Strength<br>(Dorsal D-ring) | 3600 Lbf ≥ 1 Minute | 3661.5 Lbf | Pass |
| | Static Strength<br>(Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage ≤ 1" | 0.32" | 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<br>4.3.5 | Static Strength<br>(Dorsal D-ring) | 3600 Lbf ≥ 1 Minute | 3663.4 Lbf | Pass |
| | Static Strength<br>(Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage ≤ 1" | 0.46" | 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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| **Initiated By** | Dan Redden | **Test Specification(s)** | | ANSI Z359.11-2014<br>4.3.5, 4.3.3, 4.3.4, 4.3.6 | | | |
| **Part No.** | 8127BM | | | **Part No. Revision** | A | | |
| **Part Description** | FT-One Full Body Harness 3D Construction Belted | | | | | | |
| **Test Request No.** | PC-2029 | | | **Date Complete** | 10/5/2020 | | |

## Test Summary (Continued)

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|---|---|---|---|---|
| ANSI Z359.11-2014<br>4.3.5 | Static Strength<br>(Dorsal D-ring) | 3600 Lbf ≥ 1 Minute | 3666.7 Lbf | Pass |
| | Static Strength<br>(Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage ≤ 1" | 0.33" | 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<br>4.3.5 | Static Strength<br>(Side D-rings) | 3600 Lbf ≥ 1 Minute | 3628.1 Lbf | Pass |
| | Static Strength<br>(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<br>4.3.5 | Static Strength<br>(Side D-ring) | 3600 Lbf ≥ 1 Minute | 3655.2 Lbf | Pass |
| | Static Strength<br>(Side 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<br>4.3.5 | Static Strength<br>(Side D-ring) | 3600 Lbf ≥ 1 Minute | 3638.6 Lbf | Pass |
| | Static Strength<br>(Side 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 |

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| **Part No.** | 8127BM | | | **Part No. Revision** | A | | |
| **Part Description** | FT-One Full Body Harness 3D Construction Belted | | | | | | |
| **Test Request No.** | PC-2029 | | | **Date Complete** | 10/5/2020 | | |

## Test Summary (Continued)

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|---|---|---|---|---|
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance<br>Dorsal D-ring (Feet First) | Peak Impact Load<br>≥ 3600 Lbf | 4512.1 Lbf | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Harness Shall Not Release<br>Test Torso | Did Not Release | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Remain Suspended for ≥ 5<br>Minutes | 5 Minutes | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Angle at Rest ≤ 30° | 2.6° | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | At Least One Fall Arrest<br>Indicator Shall Deploy | Visibly and Permanently<br>Deployed | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Harness Stretch Shall Not<br>Exceed 18" | 11.7" | Pass |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance<br>Dorsal D-ring (Feet First) | Peak Impact Load<br>≥ 3600 Lbf | 4528.4 Lbf | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Harness Shall Not Release<br>Test Torso | Did Not Release | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Remain Suspended for ≥ 5<br>Minutes | 5 Minutes | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Angle at Rest ≤ 30° | 3.9° | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | At Least One Fall Arrest<br>Indicator Shall Deploy | Visibly and Permanently<br>Deployed | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Harness Stretch Shall Not<br>Exceed 18" | 12.0" | Pass |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance<br>Dorsal D-ring (Feet First) | Peak Impact Load<br>≥ 3600 Lbf | 4633.6 Lbf | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Harness Shall Not Release<br>Test Torso | Did Not Release | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Remain Suspended for ≥ 5<br>Minutes | 5 Minutes | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Angle at Rest ≤ 30° | 2.9° | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | At Least One Fall Arrest<br>Indicator Shall Deploy | Visibly and Permanently<br>Deployed | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Feet First) | Harness Stretch Shall Not<br>Exceed 18" | 12.0" | Pass |

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| **Part Description** | FT-One Full Body Harness 3D Construction Belted | | | | | | |
| **Test Request No.** | PC-2029 | | | **Date Complete** | 10/5/2020 | | |

## Test Summary (Continued)

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|---|---|---|---|---|
| ANSI Z359.11-2014<br>4.3.4 | Dynamic Performance<br>Dorsal D-ring (Head First) | Peak Impact Load<br>≥ 3,600 Lbf | 2115.7 Lbf | * |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Harness Shall Not Release<br>Test Torso | Did Not Release | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Remain Suspended for ≥ 5<br>Minutes | 5 Minutes | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Angle at Rest ≤ 30° | 1.5° | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | At Least One Fall Arrest<br>Indicator Shall Deploy | Visibly and Permanently<br>Deployed | Pass |
| ANSI Z359.11-2014<br>4.3.4 | Dynamic Performance<br>Dorsal D-ring (Head First) | Peak Impact Load<br>≥ 3,600 Lbf | 1925.8 Lbf | * |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Harness Shall Not Release<br>Test Torso | Did Not Release | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Remain Suspended for ≥ 5<br>Minutes | 5 Minutes | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Angle at Rest ≤ 30° | 3.3° | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | At Least One Fall Arrest<br>Indicator Shall Deploy | Visibly and Permanently<br>Deployed | Pass |
| ANSI Z359.11-2014<br>4.3.4 | Dynamic Performance<br>Dorsal D-ring (Head First) | Peak Impact Load<br>≥ 3,600 Lbf | 2015.0 Lbf | * |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Harness Shall Not Release<br>Test Torso | Did Not Release | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Remain Suspended for ≥ 5<br>Minutes | 5 Minutes | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | Angle at Rest ≤ 30° | 2.8° | Pass |
| | Dynamic Performance<br>Dorsal D-ring (Head First) | At Least One Fall Arrest<br>Indicator Shall Deploy | Visibly and Permanently<br>Deployed | Pass |

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| **Part No.** | 8127BM | | | **Part No. Revision** | A | | |
| **Part Description** | FT-One Full Body Harness 3D Construction Belted | | | | | | |
| **Test Request No.** | PC-2029 | | | **Date Complete** | 10/5/2020 | | |

## Test Summary (Continued)

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|---|---|---|---|---|
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator Test<br>(Doral D-ring) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator Test<br>(Doral D-ring) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator Test<br>(Doral D-ring) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |
| ANSI Z359.11-2014<br>4.3.7 | Lanyard Parking Attachment Element | Disengagement Load ≤ 120 Lbf | Previously Tested and Passed under PC-1897 | Pass |

## Conclusion

Based upon the samples provided to the Lab:
FallTech P/N 8127BM 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 | Jay Sponholz | Date | 10/7/2020 |
| Witnessed by | Not Required | Date | N/A |