

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 #

B0425184

Declaration Date

4/25/2023

Tested Item #

8143SM

FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M,
TB Legs/QC Chest

Additional Items Conforming Under this Declaration:

81432X3X 8143BSM 8143XS
8143B2X3X 8143BXS
8143BLXL 8143LXL

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

ANSI Z359.11-2021

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-2826

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

4/25/2023



International Accreditation Service, Inc
3060 Saturn St, Ste 100
Brea, CA 92821 +1 562-364-8201

FallTech Lab - TL-594
ISO/IEC 17025:2017

Alexander Andrew Inc dba FallTech

FallTech Test Report

| | | | | | | | |
|----------------------------|---|------------------------------|---|-----------------|--|-----------------|--|
| Test Report No. | PC-2826 | Rpt. Date | 4/21/2023 | Rpt. Rev | | Rev Date | |
| Report Prepared For | FallTech | | | | | | |
| Initiated By | Zachary Winters | Test Specification(s) | ANSI Z359.11-2021: 4.3.3, 4.3.4, 4.3.5, 4.3.6 | | | | |
| Part No. | 8143SM | Part No. Revision | F | | | | |
| Part Description | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-2826 | Date Complete | 4/21/2023 | | | | |
| Test Operator(s) | Yesbet Sierra / Jay Sponholz | | | | | | |

Material/Sample Identification

| Sample ID | Description |
|-----------|---|
| 6953220 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953224 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953218 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953208 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953214 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953225 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953226 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953223 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953215 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953219 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953222 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |
| 6953265 | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest |

Test Summary

| Test Specification | Test Criteria | Test Result | Pass/Fail | |
|----------------------------|---------------------------------|----------------------------|----------------------|------|
| ANSI Z359.11-2021 4.3.5 | Static Strength (Dorsal D-ring) | 3600 Lbf \geq 1 Minute | 3641.3 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.28" | Pass |
| | Tear Distance (Buckle) | Shall Not Tear > 1" | Did Not Tear Through | Pass |
| | Tearing (Straps) | Shall Not Show Any Tearing | Did Not Tear | Pass |
| ANSI Z359.11-2021 4.3.5 | Static Strength (Dorsal D-ring) | 3600 Lbf \geq 1 Minute | 3646.7 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.31" | Pass |
| | Tear Distance (Buckle) | Shall Not Tear > 1" | Did Not Tear Through | Pass |
| | Tearing (Straps) | Shall Not Show Any Tearing | Did Not Tear | Pass |
| ANSI Z359.11-2021 4.3.5 | Static Strength (Dorsal D-ring) | 3600 Lbf \geq 1 Minute | 3630.1 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.27" | Pass |
| | Tear Distance (Buckle) | Shall Not Tear > 1" | Did Not Tear Through | Pass |
| | Tearing (Straps) | Shall Not Show Any Tearing | Did Not Tear | Pass |

FallTech Test Report

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| Report Prepared For | FallTech | | | | | | |
| Initiated By | Zachary Winters | Test Specification(s) | ANSI Z359.11-2021: 4.3.3, 4.3.4, 4.3.5, 4.3.6 | | | | |
| Part No. | 8143SM | Part No. Revision | F | | | | |
| Part Description | FT-Iron FBH 1D Standard Non-Belted, Dual Size S/M, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-2826 | Date Complete | 4/21/2023 | | | | |

Test Summary Continued

| Test Specification | Test Criteria | Test Result | Pass/Fail | |
|----------------------------|--|---|-----------------------------|------|
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 4549.0 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 2.5° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 9.9" | Pass |
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 4492.5 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 3.1° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 11.5" | Pass |
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 4865.5 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 2.3° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 10.9" | Pass |
| ANSI Z359.11-2021 4.3.4 | Dynamic Performance Dorsal D-ring (Head First) | Peak Impact $\geq 3,600$ Lbf or 72" Free Fall | 72" Free fall 2149.1 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 20.6° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| ANSI Z359.11-2021 4.3.4 | Dynamic Performance Dorsal D-ring (Head First) | Peak Impact $\geq 3,600$ Lbf or 72" Free Fall | 72" Free fall 2012.2 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 6.8° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| ANSI Z359.11-2021 4.3.4 | Dynamic Performance Dorsal D-ring (Head First) | Peak Impact $\geq 3,600$ Lbf or 72" Free Fall | 72" Free fall 1858.5 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 10.7° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |

FallTech Test Report

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| Report Prepared For | FallTech | | | | | | |
| Initiated By | Zachary Winters | Test Specification(s) | | ANSI Z359.11-2021: 4.3.3, 4.3.4, 4.3.5, 4.3.6 | | | |
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| Test Request No. | PC-2826 | Date Complete | | | 4/21/2023 | | |

Test Summary Continued

| Test Specification | Test Criteria | Test Result | Pass/Fail | |
|----------------------------|--|--|-------------------------------------|------|
| ANSI Z359.11-2021 4.3.6 | Fall Arrest Indicator Test (Doral D-ring) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |
| ANSI Z359.11-2021 4.3.6 | Fall Arrest Indicator Test (Doral D-ring) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |
| ANSI Z359.11-2021 4.3.6 | Fall Arrest Indicator Test (Doral D-ring) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |

Conclusion

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| Based upon the samples provided to the Lab: FallTech P/N 8143SM Rev. F meets the requirements of ANSI Z359.11-2021 |
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Report Signatories and Approval

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|---------------------|--|------|-----------|
| Lab Quality Manager |  | Date | 4/24/2023 |
|---------------------|--|------|-----------|