

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 #

B0930212

Declaration Date

9/30/2024

Tested Item #

19104DSM

FT-1910 FBH 4D Climbing Non-Belted, Small/Medium,
TB Legs/QC Chest

Additional Items Conforming Under this Declaration:

| | | | | |
|------------|----------|------------|------------|----------|
| 19104DXS | 1910FDXS | 1910FD2X3X | 19103DLX | 1910SM |
| 19104DLX | 1910FDSM | 19103DXS | 19103D2X3X | 1910LX |
| 19104D2X3X | 1910FDLX | 19103DSM | 1910XS | 19102X3X |

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-3233

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

9/30/2024



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FallTech Lab - TL-594
ISO/IEC 17025:2017
Alexander Andrew Inc dba FallTech

FallTech Test Report

| | | | | | | | |
|----------------------------|--|------------------------------|-----------|---|-----------|-----------------|--|
| Test Report No. | PC-3233 | Rpt. Date | 9/30/2024 | 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. | 19104DSM | Part No. Revision | | | A | | |
| Part Description | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-3233 | Date Complete | | | 9/27/2024 | | |
| Test Operator(s) | Yesbet Sierra / Jay Sponholz | | | | | | |

Material/Sample Identification

| Sample ID | Description |
|-----------|--|
| 8114831 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114849 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114836 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114845 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114848 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114832 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114835 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114841 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114850 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114840 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114833 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114834 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114852 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114844 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114838 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114842 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114846 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |
| 8114847 | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest |

Test Summary

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|---|------------------------|----------------------------|----------------------|-----------|
| ANSI Z359.11-2021 4.3.5 (Dorsal D-ring) | Static Strength | 3600 Lbf \geq 1 Minute | 3626.4 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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 (Dorsal D-ring) | Static Strength | 3600 Lbf \geq 1 Minute | 3634.9 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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 (Dorsal D-ring) | Static Strength | 3600 Lbf \geq 1 Minute | 3637.0 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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

| | | | | | | | |
|----------------------------|--|------------------------------|-----------|---|-----------|-----------------|--|
| Test Report No. | PC-3233 | Rpt. Date | 9/30/2024 | 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. | 19104DSM | Part No. Revision | | | A | | |
| Part Description | FT-1910 FBH 4D Climbing Non-Belted, Small/Medium, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-3233 | Date Complete | | | 9/27/2024 | | |

Test Summary Continued

| Test Specification | Test Criteria | Test Result | Pass/Fail | |
|--|------------------------|----------------------------|----------------------|------|
| ANSI Z359.11-2021 4.3.5 (Sternal D-ring) | Static Strength | 3600 Lbf \geq 1 Minute | 3630.6 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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 (Sternal D-ring) | Static Strength | 3600 Lbf \geq 1 Minute | 3642.8 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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 (Sternal D-ring) | Static Strength | 3600 Lbf \geq 1 Minute | 3640.1 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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 (Side D-rings) | Static Strength | 3600 Lbf \geq 1 Minute | 3659.5 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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 (Side D-rings) | Static Strength | 3600 Lbf \geq 1 Minute | 3645.0 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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 (Side D-rings) | Static Strength | 3600 Lbf \geq 1 Minute | 3668.2 Lbf | Pass |
| | Hold Test Torso | Shall Not Release Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.0" | 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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|----------------------------|--|------------------------------|-----------|---|-----------|-----------------|--|
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| Test Request No. | PC-3233 | Date Complete | | | 9/27/2024 | | |

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 | 4079.9 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 2.2° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 12.2" | Pass |
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 4155.3 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 4.2° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 12.4" | Pass |
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 4267.8 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 6.2° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 13.5" | 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 2522.2 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 8.4° | 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 2379.0 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 12.7° | 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 2389.8 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 30^\circ$ | 1.3° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |

FallTech Test Report

| | | | | | | | |
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| Test Request No. | PC-3233 | Date Complete | | | 9/27/2024 | | |


Test Summary Continued

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|----------------------------|---|---|----------------------------------|-----------|
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Sternal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 3966.5 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 50^\circ$ | 29.8° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 10.2" | Pass |
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Sternal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 3580.0 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 50^\circ$ | 27.2° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 11.7" | Pass |
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Sternal D-ring (Feet First) | Peak Impact Load ≥ 3600 Lbf | 3891.6 Lbf | Pass |
| | Fall Arrest | Shall Not Release Torso | Did Not Release | Pass |
| | Post Drop Angle | Angle at Rest $\leq 50^\circ$ | 29.0° | Pass |
| | Impact Indicator | One Indicator Shall Deploy | Permanently Deployed | Pass |
| | Harness Stretch | Shall Not Exceed 18" | 11.0" | 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 |
| 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 (Sternal 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 (Sternal 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 (Sternal D-ring) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |

Conclusion

Based upon the samples provided to the Lab:
 FallTech P/N 19104DSM Rev. A meets the requirements of ANSI Z359.11-2021

Report Signatories and Approval

| | | | |
|---------------------|---|------|-----------|
| Lab Quality Manager |  | Date | 9/30/2024 |
|---------------------|---|------|-----------|