

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 #

B0708155

Declaration Date

7/8/2021

Tested Item #

81293DM

FT-One Fit FBH 3D Standard Non-Belted, Medium,
TB Legs/QC Chest

Additional Items Conforming Under this Declaration:

| | | | | |
|----------|----------|--------|--------|--------|
| 81293DXS | 81293DXL | 8129XS | 8129L | 81293X |
| 81293DS | 81293D2X | 8129S | 8129XL | |
| 81293DL | 81293D3X | 8129M | 81292X | |

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-2288

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

7/8/2021



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-2288 | Rpt. Date | 7/8/2021 | Rpt. Rev | | Rev Date | |
| Report Prepared For | FallTech | | | | | | |
| Initiated By | Dan Redden | Test Specification(s) | ANSI Z359.11-2021: 4.3.5, 4.3.3, 4.3.4, 4.3.6 | | | | |
| Part No. | 81293DM | Part No. Revision | A | | | | |
| Part Description | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-2288 | Date Complete | 7/7/2021 | | | | |
| Test Operator(s) | Yesbet Sierra / Jay Sponholz | | | | | | |

Material/Sample Identification

| Sample ID | Description |
|-----------|---|
| SST1 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| SST2 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| SST3 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| SD1 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| SD2 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| SD3 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| DPT1 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| DPT2 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| DPT3 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| HF1 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| HF2 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| HF3 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| I1 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| I2 | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest |
| I3 | FT-One Fit FBH 3D Standard Non-belted, Medium, 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 | 3638.0 Lbf | Pass |
| | Static Strength (Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.28" | 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 |



FallTech Test Report

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| Part No. | 81293DM | Part No. Revision | A | | | | |
| Part Description | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-2288 | Date Complete | 7/7/2021 | | | | |

Test Summary (Continued)

| 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 | 3641.7 Lbf | Pass |
| | Static Strength (Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.28" | 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 Z359.11-2021 4.3.5 | Static Strength (Dorsal D-ring) | 3600 Lbf \geq 1 Minute | 3644.9 Lbf | Pass |
| | Static Strength (Dorsal D-ring) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 1" | 0.25" | 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 Z359.11-2021 4.3.5 | Static Strength (Side D-rings) | 3600 Lbf \geq 1 Minute | 3688.3 Lbf | Pass |
| | Static Strength (Side D-rings) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 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 Z359.11-2021 4.3.5 | Static Strength (Side D-rings) | 3600 Lbf \geq 1 Minute | 3644.3 Lbf | Pass |
| | Static Strength (Side D-rings) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 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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| Report Prepared For | FallTech | | | | | | |
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| Part No. | 81293DM | Part No. Revision | A | | | | |
| Part Description | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-2288 | Date Complete | 7/7/2021 | | | | |

Test Summary (Continued)

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|----------------------------|--|---|----------------------------------|-----------|
| ANSI Z359.11-2021 4.3.5 | Static Strength (Side D-rings) | 3600 Lbf \geq 1 Minute | 3662.8 Lbf | Pass |
| | Static Strength (Side D-rings) | Harness Shall Not Release Test Torso | Did Not Release | Pass |
| | Adjuster Slippage | Slippage \leq 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 Z359.11-2021 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load \geq 3600 Lbf | 4960.8 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 \geq 5 Minutes | 5 Minutes | Pass |
| | Dynamic Performance Dorsal D-ring (Feet First) | Angle at Rest \leq 30° | 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" | 10.5" | Pass |
| ANSI Z359.11-2021 4.3.3 | Dynamic Performance Dorsal D-ring (Feet First) | Peak Impact Load \geq 3600 Lbf | 4689.3 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 \geq 5 Minutes | 5 Minutes | Pass |
| | Dynamic Performance Dorsal D-ring (Feet First) | Angle at Rest \leq 30° | 1.9° | 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" | 10.4" | Pass |

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| Part Description | FT-One Fit FBH 3D Standard Non-belted, Medium, TB Legs/QC Chest | | | | | | |
| Test Request No. | PC-2288 | Date Complete | 7/7/2021 | | | | |

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 | 4771.2 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 ≤ 30° | 3.4° 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" | 10.2" Pass |
| ANSI Z359.11-2021 4.3.4 | Dynamic Performance Dorsal D-ring (Head First) | Peak Impact ≥ 3,600 Lbf or 72" Free Fall | 72" Free fall 2603.7 Lbf Pass |
| | 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° | 1.5° Pass |
| | Dynamic Performance Dorsal D-ring (Head First) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed Pass |
| ANSI Z359.11-2021 4.3.4 | Dynamic Performance Dorsal D-ring (Head First) | Peak Impact ≥ 3,600 Lbf or 72" Free Fall | 72" Free fall 2631.5 Lbf Pass |
| | 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° | 7.1° 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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| Test Request No. | PC-2288 | Date Complete | 7/7/2021 | | | | |


Test Summary (Continued)

| Test Specification | Test Criteria | | Test Result | Pass/Fail |
|----------------------------|---|--|-------------------------------------|-----------|
| 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 2878.0 Lbf | Pass |
| | 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 \geq 5 Minutes | 5 Minutes | Pass |
| | Dynamic Performance Dorsal D-ring (Head First) | Angle at Rest \leq 30° | 3.8° | Pass |
| | Dynamic Performance Dorsal D-ring (Head First) | At Least One Fall Arrest Indicator Shall Deploy | Visibly and Permanently Deployed | Pass |
| ANSI Z359.11-2021 4.3.6 | Fall Arrest Indicator Test (Dorsal 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 (Dorsal 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 (Dorsal 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 81293DM Rev. A meets the requirements of ANSI Z359.11-2021

Report Signatories and Approval

| | | | |
|---------------------|---|------|----------|
| Lab Quality Manager |  | Date | 7/8/2021 |
| Witnessed by | Not Required | Date | N/A |