

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 #

B0708155a

Declaration Date

7/29/2024

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	8049M	80492X
81293DS	81293D2X	8129S	8129XL	8049XS	8049L	80493X
81293DL	81293D3X	8129M	81292C	8049S	8049XL	

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

7/29/2024



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

Alexander Andrew Inc dba FallTech

FallTech Test Report

Test Report No.	PC-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



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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 4.3.5	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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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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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 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