

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 #

B0425185a

Declaration Date

4/25/2023

Tested Item #

8144QCSM

FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC
Legs and Chest

Additional Items Conforming Under this Declaration:

8144QCLXL SC8144QCXS SC8144QC2X3X

8144QCXS SC8144QCSM

8144QC2X3X SC8144QCLXL

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-2827

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

11/8/2023



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

FallTech Test Report

Test Report No.	PC-2827	Rpt. Date	4/24/2023	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.	8144QCSM	Part No. Revision	B				
Part Description	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest						
Test Request No.	PC-2827	Date Complete	4/21/2023				
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
6922588	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922599	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922603	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922616	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922594	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922612	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922593	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922615	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922610	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922591	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922596	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922583	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922594	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922612	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest
6922616	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and 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	3640.1 Lbf	Pass
	Hold Test Torso	Shall Not Release Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage \leq 1"	0.24"	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	3657.6 Lbf	Pass
	Hold Test Torso	Shall Not Release Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage \leq 1"	0.29"	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	3634.3 Lbf	Pass
	Hold Test Torso	Shall Not Release Torso	Did Not Release	Pass
	Adjuster Slippage	Slippage \leq 1"	0.20"	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.	8144QCSM	Part No. Revision	B				
Part Description	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest						
Test Request No.	PC-2827	Date Complete	4/21/2023				

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	3631.8 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	Static Strength (Side D-rings)	3600 Lbf \geq 1 Minute	3636.0 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	Static Strength (Side D-rings)	3600 Lbf \geq 1 Minute	3681.3 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 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load \geq 3600 Lbf	4208.1 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	4.7°	Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed	Pass
	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	4000.0 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	2.3°	Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed	Pass
	Harness Stretch	Shall Not Exceed 18"	12.0"	Pass
ANSI Z359.11-2021 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load \geq 3600 Lbf	4127.1 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	2.9°	Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed	Pass
	Harness Stretch	Shall Not Exceed 18"	12.1"	Pass

FallTech Test Report

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Part No.	8144QCSM	Part No. Revision	B				
Part Description	FT-Iron FBH 3D Construction Belted, Dual Size S/M, QC Legs and Chest						
Test Request No.	PC-2827	Date Complete	4/21/2023				

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 2114.4 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	4.6°	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 2480.5 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	4.3°	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 2523.2 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	2.9°	Pass
	Impact Indicator	One Indicator Shall Deploy	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 (Doral 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 8144QCSM Rev. B meets the requirements of ANSI Z359.11-2021

Report Signatories and Approval

Lab Quality Manager		Date	4/24/2023
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