

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 #

B0526192

Declaration Date

5/26/2023

Tested Item #

7021FDM

Journeyman Flex Climbing Non-belted FBH Med Steel
1D+FD TB Legs QC Chest, w/ Trauma Pack

Additional Items Conforming Under this Declaration:

7021FDS 7021FD2X

7021FDL 7021FD3X

7021FDXL

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

X

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-2847

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

5/26/2023



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3060 Saturn St, Ste 100
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FallTech Lab - TL-594
ISO/IEC 17025:2017

Alexander Andrew Inc dba FallTech

FallTech Test Report

Test Report No.	PC-2847	Rpt. Date	5/25/2023	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.	7021FDM	Part No. Revision	J				
Part Description	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest						
Test Request No.	PC-2847	Date Complete	9/27/2022				
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
6970985	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970986	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970987	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970957	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970958	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970982	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970969	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970981	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970953	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970962	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970961	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970974	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970956	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970984	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970983	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970957	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970958	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970982	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970986	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970987	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest
6970985	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and 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	3641.2 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
ANSI Z359.11-2021 4.3.5	Static Strength (Dorsal D-ring)	3600 Lbf \geq 1 Minute	3635.0 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

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Part No.	7021FDM	Part No. Revision	J				
Part Description	Journeyman Flex Climbing Non-belted FBH Med Steel 1D+FD TB Legs and QC Chest						
Test Request No.	PC-2847	Date Complete	9/27/2022				

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	3688.0 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 (Sternal D-ring)	3600 Lbf \geq 1 Minute	3628.6 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	Static Strength (Sternal D-ring)	3600 Lbf \geq 1 Minute	3631.9 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	Static Strength (Sternal D-ring)	3600 Lbf \geq 1 Minute	3629.5 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 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load \geq 3600 Lbf	5204.9 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	2.4°	Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed	Pass
	Harness Stretch	Shall Not Exceed 18"	10.6"	Pass
ANSI Z359.11-2021 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load \geq 3600 Lbf	5394.0 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest \leq 30°	2.7°	Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed	Pass
	Harness Stretch	Shall Not Exceed 18"	11.1"	Pass

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Test Request No.	PC-2847	Date Complete	9/27/2022				

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	5125.9 Lbf Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release Pass
	Post Drop Angle	Angle at Rest ≤ 30°	2.2° Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed Pass
	Harness Stretch	Shall Not Exceed 18"	10.7" 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 3149.0 Lbf Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release Pass
	Post Drop Angle	Angle at Rest ≤ 30°	22.4° 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 ≥ 3,600 Lbf or 72" Free Fall	72" Free fall 3314.2 Lbf Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release Pass
	Post Drop Angle	Angle at Rest ≤ 30°	6.5° 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 ≥ 3,600 Lbf or 72" Free Fall	72" Free fall 4497.1 Lbf Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release Pass
	Post Drop Angle	Angle at Rest ≤ 30°	5.8° Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed Pass
ANSI Z359.11-2021 4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	4549.2 Lbf Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release Pass
	Post Drop Angle	Angle at Rest ≤ 50°	29.6° Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed Pass
	Harness Stretch	Shall Not Exceed 18"	11.9" Pass
ANSI Z359.11-2021 4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Load ≥ 3600 Lbf	4524.8 Lbf Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release Pass
	Post Drop Angle	Angle at Rest ≤ 50°	21.3° Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed Pass
	Harness Stretch	Shall Not Exceed 18"	16.7" Pass

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Test Request No.	PC-2847	Date Complete	9/27/2022				

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	3844.6 Lbf	Pass
	Fall Arrest	Shall Not Release Torso	Did Not Release	Pass
	Post Drop Angle	Angle at Rest $\leq 50^\circ$	21.1°	Pass
	Impact Indicator	One Indicator Shall Deploy	Permanently Deployed	Pass
	Harness Stretch	Shall Not Exceed 18"	17.0"	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 7021FDM Rev. J meets the requirements of ANSI Z359.11-2021

Report Signatories and Approval

Lab Quality Manager		Date	5/25/2023
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