		Andrew, Inc. 1306		• •		
Declaration #	B05160	72a	Dec	claration Date	5.6	.16
Tested Item #	7023QC	Journ	neyman 3D Sta	andard Non-	-Belted FB	BH
702	21QC 702	1QCXL 7021QC2	2X3X			
Alexander An	drew. Inc. de	eclares that the	e product(s) liste	d above is in (	conformity	with
Alexander An	drew, Inc. do the requiren	eclares that the nents of the foll	e product(s) lister lowing performa	d above is in o ince standard	conformity (s):	with
Alexander An	drew, Inc. do	eclares that the nents of the foll ANSI Z3	e product(s) lister lowing performa 59.11-2014	d above is in o ince standard	conformity (s):	with
Alexander An	drew, Inc. do the requiren formity Assess vel 1	eclares that the nents of the foll ANSI Z3! sment Method in Level	e product(s) lister lowing performa 59.11-2014 n accordance with	d above is in d ince standard ANSI/ISEA 125 Level 3	conformity (s): 5-2014	with
Alexander An Conf Level 1: FallTe Outside the Se ISO/IEC Standard 3	odrew, Inc. de the requirem	eclares that the nents of the foll ANSI Z3: sment Method in Level Level 2: Within t ISO/IEC Stand	e product(s) lister lowing performa 59.11-2014 a accordance with 2 X FallTech Lab the Scope of dard 17025:2005	d above is in o ince standard ANSI/ISEA 125 Level 3 Level 3: Indo a ISO/IEC S	conformity (s): 5-2014 ependent 3rd accredited to 5tandard 1702	with
Alexander An Conf Level 1: FallTe Outside the Se ISO/IEC Standard 1 Supporting Documentation	odrew, Inc. de the requirem	eclares that the nents of the foll ANSI Z3! sment Method in Level Level 2: Within t ISO/IEC Stand	e product(s) lister lowing performa 59.11-2014 a accordance with 2 X FallTech Lab the Scope of dard 17025:2005	d above is in o ince standard ANSI/ISEA 125 Level 3 Level 3: Indo a ISO/IEC S	conformity (s): 5-2014 ependent 3rd accredited to Standard 1702	with

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Testing. Advising. Assuring.

May 26, 2016

FallTech Testing Laboratory 1306 S. Alameda Street Compton, CA 90221

Attention: Jay Sponholz Quality Manager

Subject:

Attestation of Witnessing TestingExova OCM Job #360692-2FallTech P.O.:OPENReport No.:PC-0869Base Part No.7023QCDescription:Full Body Harness

Dear Mr. Sponholz:

The purpose of this attestation is to attest to the fact that a representative of Exova OCM was on site at FallTech's facilities to confirm suitability of the equipment used, calibration status of the equipment and to witness testing performed by FallTech employees. Details of this visit are included below:

- Date of Testing:
  - 4 May 2016
- Exova OCM Test Witness:
  - Robert Fortner
- FallTech Test Operators:
  - Yesbet Sierra and Jay Sponholz
- Specification:
  - ANSI Z359.11-2014 Sections 4.3.3, 4.3.5, 4.3.6, 4.3.7
- Equipment Calibration Interval
  - 1 year, except weights which are 5 years



Attached to this attestation is the test report generated by FallTech Testing Laboratory. Exova OCM test witness certifies the report accurately presents the testing performed on the samples identified.

Test Report #	Date	Base Part #	Description	Sample ID's	Results									
				3258253										
				3258257										
			3258246											
			3258247											
				3258255										
DO 0000	5/0/0040				3258250	Deer								
PC-0869	5/6/2016	7023QC	Full Body Harness	3258254	Pass									
				3258249										
				3258251										
													3258252	
				3258245										
			3258258											

Test Witness Signature:	(Signed for and on behalf of Exova-OCM)	EM
Robert Fortner Technician Mechanical Laboratory	Robert Fortun	Co So all

Approval Signature:	(Signed for and on behalf of Exova-OCM)	
Thomas J. (Tom) Parsons Manager Quality / Technical Services	For Ham	054

This attestation shall not be reproduced except in full, without the written approval of Exova-OCM. The laboratory has witnessed the testing the material / items supplied by the client as sampled by the client. The testing is not within Exova OCM's L.A.B scope of testing and was not performed at Exova OCM.



FallTech Testing Laboratory Attestation Number: 360692-2 Revision Letter: Original Page 2 of 2

Exova OCM 3883 East Eagle Drive Anaheim, CA 92807 USA



FallTech Test Report							
Test Report Number	PC-0869	Date	5/6/2016	Rev		<b>Rev Date</b>	
Report Prepared For	FallTech			•			
Initiated By	Dan Redden	an Redden Test Specification ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7					
Base Part #	7023QC	Description	n	Full Body H	arness		
Proposed Part #	N/A	Built By W	hom	Production		BOM	No
Test Request #	PC-0869	Date Recei	ved	4/18/2016	Date	Complete	5/4/2016
Test Operator	Jay Sponholz	Test Opera	ator	Yesbet Sier	ra		
	Ma	aterial/San	nple Identificati	on			
Sample ID			Descrip	tion			
3258253			Full Body H	arness			
3258257		Full Body Harness					
3258246			Full Body H	arness			
3258247			Full Body H	arness			

3258247	Full Body Harness	
3258255	Full Body Harness	
3258250	Full Body Harness	
3258254	Full Body Harness	
3258249	Full Body Harness	
3258251	Full Body Harness	
3258252	Full Body Harness	
3258245	Full Body Harness	
3258258	Full Body Harness	







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FallTech Test Report									
Test Report Number	PC-0869	Date	5/6/2016	Rev	Rev Da	nte			
Report Prepared For	FallTech			• • • •	•				
Initiated By	Dan Redden	Test Specif	ication	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7					
Base Part #	7023QC	Description	Description		Full Body Harness				
Proposed Part #	N/A	Built By Wh	Built By Whom		BC	M No			
Test Request #	PC-0869	Date Receiv	ved	4/18/2016	Date Comple	5/4/2016			
Tost Summary									
	_	Test	Summary						
Test Specification	T	est Criteria		Test F	Result	Pass/Fail			
	Static Strength (Dorsal D-ring)	3600 Lbf <u>&gt;</u> 1	Minute	3649	.0 Lbf	Pass			
	Static Strength (Dorsal D-ring)	Harness Shal Torso	Harness Shall Not Release Test Torso		Release	Pass			
ANSI 7359 11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1"	Slippage <u>&lt;</u> 1"		0"	Pass			
4.3.5	Tear Distance	Shall Not Tea Greater Than Eyelet	r a Distance to Adjacent	Did Not Tear Through		Pass			
	Tearing	Straps Shall N Signs of Tear	Straps Shall Not Show Any Signs of Tearing		ot Tear	Pass			
	Static Strength (Dorsal D-ring)	3600 Lbf <u>&gt;</u> 1	3600 Lbf <u>&gt;</u> 1 Minute		.2 Lbf	Pass			
	Static Strength (Dorsal D-ring)	Harness Shal Torso	Harness Shall Not Release Test Torso		Release	Pass			
ANSI 7359,11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1"		0.	D"	Pass			
ANSI Z359.11-2014 4.3.5	Tear Distance	Shall Not Tea Greater Than Eyelet	r a Distance 1 to Adjacent	Did Not Te	ar Through	Pass			
	Tearing	Straps Shall N Signs of Tear	Not Show Any ing	Did No	ot Tear	Pass			
	Static Strength (Dorsal D-ring)	3600 Lbf <u>&gt;</u> 1	Minute	3649	.3 Lbf	Pass			
	Static Strength	Harness Shal	l Not Release Test	Did Not	Release	Pass			

Torso

Eyelet

Slippage <u><</u> 1"

Signs of Tearing

Shall Not Tear a Distance

Greater Than to Adjacent

Straps Shall Not Show Any



ANSI Z359.11-2014

4.3.5

(Dorsal D-ring)

Tear Distance

Tearing

Adjuster Slippage

0.0"

Did Not Tear Through

Did Not Tear

Pass

Pass

Pass



FallTech Test Report							
Test Report Number	PC-0869	Date	5/6/2016	Rev		Rev Date	
Report Prepared For	FallTech	•					
Initiated By	Dan Redden	Test Speci	Test Specification         ANSI Z359.11-2014           4.3.5, 4.3.3, 4.3.6, 4.3.7				
Base Part #	7023QC	Descriptio	n	Full Body Harness			
Proposed Part #	N/A	Built By W	Built By Whom			BOM	No
Test Request #	PC-0869	Date Rece	Date Received		Date	Complete	5/4/2016
	Static Strength (Side D-ring)	3600 Lbf <u>&gt;</u> 1	Minute	3659	.0 Lbf		Pass
	Static Strength (Side D-ring)	Harness Sha Torso	II Not Release Test	Did Not	Release		Pass
ANSI 7359,11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1	"	0.	0"		Pass
4.3.5	Tear Distance	Shall Not Te Greater Tha Eyelet	ar a Distance n to Adjacent	Did Not Tear Through		Pass	
	Tearing	Straps Shall Not Show Any Signs of Tearing		Did Not Tear			Pass
	Static Strength (Side D-ring)	3600 Lbf <u>&gt;</u> 1	3600 Lbf <u>&gt;</u> 1 Minute		3649.4 Lbf		Pass
	Static Strength (Side D-ring)	Harness Sha Torso	Harness Shall Not Release Test Torso		Did Not Release		Pass
ANSI 7359 11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1	"	0.0"			Pass
4.3.5	Tear Distance	Shall Not Te Greater Tha Eyelet	Shall Not Tear a Distance Greater Than to Adjacent Eyelet		Did Not Tear Through		Pass
	Tearing	Straps Shall Signs of Tea	Straps Shall Not Show Any Signs of Tearing		Did Not Tear		Pass
	Static Strength (Side D-ring)	3600 Lbf <u>&gt;</u> 1	Minute	3658.0 Lbf			Pass
	Static Strength (Side D-ring)	Harness Sha Torso	II Not Release Test	Did Not Release			Pass
ANSI 7359 11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1	n	0.2	37"		Pass
4.3.5	Tear Distance	Shall Not Te Greater Tha Eyelet	ar a Distance n to Adjacent	Did Not Tear Through			Pass
	Tearing	Straps Shall Signs of Tea	Not Show Any ring	Did No	ot Tear		Pass





FallTech Test Report							
Test Report Number	PC-0869	Date 5/6/2016	Rev	Rev Date			
Report Prepared For	FallTech	++	• •	•			
Initiated By	Dan Redden	Test Specification	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7	7			
Base Part #	7023QC	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production	BOM No			
Test Request #	PC-0869	Date Received	4/18/2016 Date	<b>Complete</b> 5/4/2016			
				·			
	Dynamic Performance	Peak Impact Load	4454.2 Lbf	Pass			
	Dorsal D-ring (Feet First)	2 3600 LDT Harposs Shall Not Poloaso Tost					
	Dynamic Performance	Torso	Did Not Release	Pass			
	Dorsal D-ring (Feet First)	Remain Suspended for > 5					
	Dorsal D ring (Foot First)	Minutes	5 Minutes	Pass			
ANSI 7250 11 2014	Dynamic Performance	Windles					
ANSI 2333.11-2014	Dorsal D-ring (Feet First)	Angle at Rest <u>&lt;</u> 30°	2.2°	Pass			
4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	9.6"	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load 3600 Lbf	4530.5 Lbf	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Shall Not Release Test Torso	Did Not Release	Pass			
	Dynamic Performance	Remain Suspended for <u>&gt;</u> 5 Minutes	5 Minutes	Pass			
ANSI Z359.11-2014 4 3 3	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest <u>&lt;</u> 30°	5.5°	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	8.4"	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Load 3600 Lbf	5493.1 Lbf	Pass			
	Dynamic Performance	Harness Shall Not Release Test	Did Not Release	Pass			
	Dynamic Performance	Remain Suspended for <u>&gt;</u> 5 Minutes	5 Minutes	Pass			
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest <u>&lt;</u> 30°	5.1°	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass			
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"	8.4"	Pass			





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	and the second	and the second	and the second s			
Test Report Number	PC-0869	Date	5/6/2016	Rev	Rev Date	
Report Prepared For	FallTech				10	
nitiated By	Dan Redden	Test Specification         ANSI Z359.11-2014           4.3.5, 4.3.3, 4.3.6, 4.3.7				
Base Part #	7023QC	Description	1	Full Body Har	mess	
Proposed Part #	N/A	Built By W	hom	Production	BOM	No
Test Request #	PC-0869	Date Recei	ved	4/18/2016	Date Complete	5/4/2016
ANSI 2359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One Indicator Sha Visibly and P	Fall Arrest Ill be Deployed ermanently	Visibly and Pe Deploy	rmanently ved	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One Fall Arrest Indicator Shall be Deployed Visibly and Permanently		Visibly and Pe Deploy	rmanently yed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One Indicator Sha Visibly and P	Fall Arrest Ill be Deployed ermanently	Visibly and Pe Deploy	rmanently yed	Pass
ANSI Z359.11-2014 4.3.7	Lanyard Parking Attachment Element	Disengagement Load ≤ 120 Lbf PC-0722		ested and Inder 22	Pass	

## Conclusion

FallTech P/N 7023QC meets the requirements of ANSI Z359.11-2014.

	Report Signatories and Approva		
Lab Quality Manager	Jay Sponkolz	Date	5/6/2016
Witnessed by	Robert Forten	Date	5/27/2016



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February 28, 2017

FallTech Testing Laboratory 1306 S. Alameda Street Compton, CA 90221

Attention: Jay Sponholz Quality Manager

Subject:

Attestation of Witnessing TestingExova OCM Job # 370235-6FallTech P.O.:OPENReport No.:PC-0869HFBase Part No.7023QCDescription:Full Body Harness

Dear Mr. Sponholz:

The purpose of this attestation is to attest to the fact that a representative of Exova OCM was on site at FallTech's facilities to confirm suitability of the equipment used, calibration status of the equipment and to witness testing performed by FallTech employees. Details of this visit are included below:

- Date of Testing:
  - January 19, 2017
- Exova OCM Test Witness:

Kevin Ton

- FallTech Test Operators:
  - Yesbet Sierra and Jay Sponholz
- Specification:
  - ANSI Z359.11-2014 Section 4.3.4
- Equipment Calibration Interval
  - 1 year, except weights which are 5 years



## 

Attached to this attestation is the test report generated by FallTech Testing Laboratory. Exova OCM test witness certifies the report accurately presents the testing performed on the samples identified.

Test Report #	Date	Base Part #	Description	Sample ID's	Results
PC-0869HF	1/25/2017	7023QC	Full Body Harness	3638099 3638090	Pass
1 0 0000111	112012011	102000	T di Body Hamess	3638088	1 dee

Test Witness Signature:	(Signed for and on behalf of Exova-OCM)	
Kevin Ton Test Technician Mechanical Laboratory	Keni Da	OCM 083 Realth

Approval Signature:	(Signed for and on behalf of Exova-OCM)	OCM
Thomas J. (Tom) Parsons Manager Quality / Technical Services	Anda	8054 APP5

This attestation shall not be reproduced except in full, without the written approval of Exova-OCM. The laboratory has witnessed the testing the material / items supplied by the client as sampled by the client. The testing is not within Exova OCM's L.A.B scope of testing and was not performed at Exova OCM.



FallTech Testing Laboratory Attestation Number: 370235-6 Revision Letter: Original Page 2 of 2





FallTech Test Report							
Test Report Number	PC-0869HF	Date	1/25/2017	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification ANSI Z359			0.11-2014; 4.3.4		
Base Part #	7023QC	Description	า	Full Body Harness			
Proposed Part #	N/A	Built By Whom		Production		BOM	No
Test Request #	PC-0869HF	Date Received		11/23/2016	Date Complete		1/19/2017
Test Operator	Yesbet Sierra	Test Operator Jay Sponholz					
Material/Sample Identification							
Sample ID	Description						
3638099	Full Body Harness						
3638090	Full Body Harness						
3638088	Full Body Harness						

Test Summary						
Test Specification	Test	Criteria	Test Result	Pass/Fail		
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load ≥ 3,600 Lbf	2935.4 Lbf	*		
	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 <u>&gt;</u> 5 Minutes	5 Minutes	Pass		
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest <u>&lt;</u> 30°	1.7°	Pass		
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass		
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load ≥ 3,600 Lbf	3374.8 Lbf	*		
	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 <u>&gt;</u> 5 Minutes	5 Minutes	Pass		
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest <u>&lt;</u> 30°	2.1°	Pass		
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Visibly and Permanently Deployed	Pass		





312/2017

Date

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		allTech Test Repo	ort		Star Saile		
Test Report Number	PC-0869HF	Date 1/25/2017	Rev	Rev Date			
Report Prepared For	FallTech						
Initiated By	Dan Redden	ANSI Z359.11-2014; 4.3.4					
Base Part #	7023QC	Description	Full Body Harness				
Proposed Part #	N/A	Built By Whom	Production		BOM No		
Test Request #	PC-0869HF	Date Received	11/23/2016	Date	e Complete	1/19/2017	
		Test Summary				A STORES	
Test Specification	Test	Criteria	Test Result		Pass/Fail		
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load ≥ 3,600 Lbf	3506.6 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°	0.7°		Pass		
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently	Deployed Visibly and Permanently Deployed Visibly and Deployed		Pass		
		Conclusion					
	FallTech P/N 70230	C meets the requirements of ANS	I Z359.11-2014. 4.3	.4			
		Test Exceptions					
* Harness has been dyna	mically tested and subjected to residual force readings eq	forces of 5,000 Lbs. or more. Ener ual to or greater than the 3,600 Lb	gy absorbing prope s. required by the s	erties inhe standard.	erent to the har	ness prevented	
	Re	port Signatories and Appr	oval	6103.			
Lab Quality Manager Jay Sponholz Jag Sponholz				Date	1/25/2017		



Witnessed by

Kevin Ton

Ken Ja