	Alexander	Andrew, Inc. 1306 S.	Alameda St. Con	npton, CA 30221	
Declaration #	B02160	64a	Dee	claration Date	2.26.16
Tested Item #	7092BM	FlowT	ech 3D Star	ndard Non-b	elted FBH
Alexander A		eclares that the p nents of the follov			-
Alexander A			ving performa		-
	the requirer	nents of the follow	ving performa .11-2014	ance standard	(s):
Co	the requirer	nents of the follow ANSI Z359	ving performa .11-2014	ance standard	(s):
Co	the requirer	ANSI Z359	ving performa 0.11-2014 ccordance with X ITech Lab Scope of	ANSI/ISEA 125 Level 3 Level 3: Inde	(s):
Co L Level 1: Fall Outside the	the requirer	ANSI Z359 Sment Method in ac Level 2 Level 2: Fal Within the	ving performa 0.11-2014 ccordance with X ITech Lab Scope of	ANSI/ISEA 125 Level 3 Level 3: Inde	(s): -2014 ependent 3rd Party Lab ccredited to

Exova 3883 East Eagle Drive Anaheim California USA 92807 T: +1 (714) 630-3003 F: +1 (714) 630-4443 E: sales@exova.com W: www.exova.com



Testing. Advising. Assuring.

February 26, 2016

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

Attention: Jay Sponholz Quality Manager

Subject:

Attestation of Witnessing TestingExova OCM Job #360238-7FallTech P.O.:OPENReport No.:PC-0805Base Part No.7092BMDescription: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:
  - 24 February 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			
				1				
				2				
				3				
		7000714		4				
				5				
	0/00/0040			6	Dees			
PC-0805	2/26/2016	7092BM	Full Body Harness	7	Pass			
				8				
				9				
				10				
				11				
				12				

<i>Test Witness Signature:</i> Robert Fortner Technician Mechanical Laboratory	(Signed for and on behalf of Exova-OCM) Robert Loct	(DG7 067 CUMTER
<i>Approval Signature:</i> Bruce K. Sauer Technical Director	(Signed for and on behalf of Exova-OCM) M. L. Hokosinghi for B. SAVER	OCM 058 APPROVIN
<i>Approval Signature:</i> Thomas J. (Tom) Parsons Manager Quality / Technical Services	(Signed for and on behalf of Exova-OCM)	054 2054

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: 360238-7 Revision Letter: Original Page 2 of 2



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11

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## **FallTech Testing Laboratory**

1306 S. Alameda Street, Compton, CA 90221-4803 Tel: (323) 752-0060 www.falltech.com

Test Report NumberPC-0805Date2/26/2016RevRev DateReport Prepared ForFallTechnitiated ByDan ReddenTest SpecificationANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7Base Part #7092BMDescriptionFull Body HarnessProposed Part #N/ABuilt By WhomProductionBOM NoTest Request #PC-0805Date Received1/15/2016Date Complete2/24Test OperatorJay SponholzTest OperatorYesbet Sierra2/24Full Body Harness1Full Body Harness2Full Body Harness3Full Body Harness3Full Body Harness3Full Body Harness4Full Body Harness5Full Body Harness6Full Body Harness						
Initiated By       Dan Redden       Test Specification       ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7         Base Part #       7092BM       Description       Full Body Harness         Proposed Part #       N/A       Built By Whom       Production       BOM       No         Test Request #       PC-0805       Date Received       1/15/2016       Date Complete       2/24         Test Operator       Jay Sponholz       Test Operator       Yesbet Sierra       Viant Complete       2/24         Sample ID       Description       Full Body Harness       Viant Complete       2/24         1       Full Body Harness       Full Body Harness       Second Complete       2/24         3       Full Body Harness       Full Body Harness       Second Complete       Seco						
Initiated By     Dan Redden     Test Specification     4.3.5, 4.3.3, 4.3.6, 4.3.7       Base Part #     7092BM     Description     Full Body Harness       Proposed Part #     N/A     Built By Whom     Production     BOM     No       Test Request #     PC-0805     Date Received     1/15/2016     Date Complete     2/24       Test Operator     Jay Sponholz     Test Operator     Yesbet Sierra       Material/Sample Identification     Sample ID     Description       1     Full Body Harness     Sample ID     Full Body Harness       2     Full Body Harness     Full Body Harness       3     Full Body Harness     Sample ID       4     Full Body Harness       5     Full Body Harness						
Proposed Part #     N/A     Built By Whom     Production     BOM     No       Test Request #     PC-0805     Date Received     1/15/2016     Date Complete     2/24       Test Operator     Jay Sponholz     Test Operator     Yesbet Sierra       Material/Sample Identification     Sample ID     Description       1     Full Body Harness       2     Full Body Harness       3     Full Body Harness       4     Full Body Harness       5     Full Body Harness						
Test Request #       PC-0805       Date Received       1/15/2016       Date Complete       2/24         Test Operator       Jay Sponholz       Test Operator       Yesbet Sierra         Material/Sample Identification       Material/Sample Identification         Sample ID       Description         1       Full Body Harness         2       Full Body Harness         3       Full Body Harness         4       Full Body Harness         5       Full Body Harness						
Sample ID     Description       1     Full Body Harness       2     Full Body Harness       3     Full Body Harness       4     Full Body Harness       5     Full Body Harness						
Material/Sample Identification       Sample ID     Description       1     Full Body Harness       2     Full Body Harness       3     Full Body Harness       4     Full Body Harness       5     Full Body Harness	/2016					
Sample IDDescription1Full Body Harness2Full Body Harness3Full Body Harness4Full Body Harness5Full Body Harness						
1     Full Body Harness       2     Full Body Harness       3     Full Body Harness       4     Full Body Harness       5     Full Body Harness						
2     Full Body Harness       3     Full Body Harness       4     Full Body Harness       5     Full Body Harness						
3     Full Body Harness       4     Full Body Harness       5     Full Body Harness						
4     Full Body Harness       5     Full Body Harness						
5 Full Body Harness						
	Full Body Harness					
6 Full Body Harness	Full Body Harness					
	Full Body Harness					
7 Full Body Harness	Full Body Harness					
8 Full Body Harness						
9 Full Body Harness						

**Full Body Harness** 

**Full Body Harness** 

Full Body Harness







FallTech Test Report							
Test Report Number	PC-0805	Date	2/26/2016	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specif	fication	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7			
Base Part #	7092BM	Description	า	Full Body H	arness		
Proposed Part #	N/A	Built By Whom		Production		BOM	No
Test Request #	PC-0805	Date Receiv	ved	1/15/2016	Date	Complete	2/24/2016

Test Summary							
Test Specification	-	Fest Criteria	Test Result	Pass/Fail			
	Static Strength (Dorsal D-ring)	3600 Lbf <u>&gt;</u> 1 Minute	3635.7 Lbf	Pass			
	Static Strength (Dorsal D-ring)	Harness Shall Not Release Test Torso	Did Not Release	Pass			
ANSI Z359.11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1"	0.237"	Pass			
4.3.5	Tear Distance	Shall Not Tear a Distance Greater Than to Adjacent Eyelet	Did Not Tear Through	Pass			
	Tearing	Straps Shall Not Show Any Signs of Tearing	Did Not Tear	Pass			
	Static Strength (Dorsal D-ring)	3600 Lbf <u>&gt;</u> 1 Minute	3642.0 Lbf	Pass			
	Static Strength (Dorsal D-ring)	Harness Shall Not Release Test Torso	Did Not Release	Pass			
ANSI Z359.11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1"	0.125"	Pass			
4.3.5	Tear Distance	Shall Not Tear a Distance Greater Than to Adjacent Eyelet	Did Not Tear Through	Pass			
	Tearing	Straps Shall Not Show Any Signs of Tearing	Did Not Tear	Pass			
	Static Strength (Dorsal D-ring)	3600 Lbf ≥ 1 Minute	3686.2 Lbf	Pass			
	Static Strength (Dorsal D-ring)	Harness Shall Not Release Test Torso	Did Not Release	Pass			
ANSI Z359.11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1"	0.405"	Pass			
4.3.5	Tear Distance	Shall Not Tear a Distance Greater Than to Adjacent Eyelet	Did Not Tear Through	Pass			
	Tearing	Straps Shall Not Show Any Signs of Tearing	Did Not Tear	Pass			







FallTech Test Report							
Test Report Number	PC-0805	Date	2/26/2016	Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Speci	fication	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7			
Base Part #	7092BM	Descriptio	Description Full Body Harness				
Proposed Part #	N/A	Built By W	hom	Production		BOM	No
Test Request #	PC-0805	Date Recei	ived	1/15/2016	Date	Complete	2/24/2016
	Static Strength (Side D-ring)	3600 Lbf <u>&gt;</u> 1		3659	.2 Lbf		Pass
	Static Strength (Side D-ring)	Torso	ll Not Release Test	Did Not	Release		Pass
ANSI Z359.11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1		0	0"		Pass
4.3.5	Tear Distance		Shall Not Tear a Distance Greater Than to Adjacent Eyelet		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 Minute		3647.2 Lbf			Pass
	Static Strength (Side D-ring)	Harness Shall Not Release Test Torso		Did Not Release			Pass
ANSI Z359.11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1"		0.0"		Pass	
4.3.5	Tear Distance	Shall Not Tear a Distance Greater Than to Adjacent Eyelet		Did Not Tear Through			Pass
	Tearing	Straps Shall of Tearing	Straps Shall Not Show Any Signs of Tearing		Did Not Tear		Pass
	Static Strength (Side D-ring)	3600 Lbf <u>&gt;</u> 1	Minute	3646.3 Lbf			Pass
	Static Strength (Side D-ring)	Harness Sha Torso	ll Not Release Test	Did Not Release		Pass	
ANSI Z359.11-2014	Adjuster Slippage	Slippage <u>&lt;</u> 1		0.0"		Pass	
4.3.5	Tear Distance		ar a Distance n to Adjacent Eyelet	Did Not Tear Through			Pass
	Tearing	Straps Shall of Tearing	Not Show Any Signs	Did N	ot Tear		Pass







FallTech Test Report							
Test Report Number	PC-0805	Date	2/26/2016	Rev		<b>Rev Date</b>	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Speci	fication	ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7			
Base Part #	7092BM	Description	n	Full Body H	arness		
Proposed Part #	N/A	Built By W	hom	Production		BOM	No
Test Request #	PC-0805	Date Recei	ved	1/15/2016	Date	Complete	2/24/2016
	Dynamic Performance	Peak Impact	Load	4702	2.1 Lbf		Pass
	Dorsal D-ring (Feet First)	<u>&gt;</u> 3600 Lbf					
	Dynamic Performance		l Not Release Test	Did No	t Release		Pass
	Dorsal D-ring (Feet First)	Torso	and address F	-		-	
	Dynamic Performance		ended for <u>&gt;</u> 5	5 M	inutes		Pass
	Dorsal D-ring (Feet First)	Minutes					
ANSI Z359.11-2014	Dynamic Performance	Angle at Res	t <u>&lt;</u> 30°	3	.6°		Pass
4.3.3	Dorsal D-ring (Feet First)						
		At Least One	Fall Arrest	N			
	Dynamic Performance	Indicator Shall be Deployed Visibly and Permanently		Visibly and Permanently Deployed		Pass	
	Dorsal D-ring (Feet First)						
	Dynamic Performance	Harness Stretch Shall Not		7.2"			Pass
	Dorsal D-ring (Feet First)	Exceed 18"					
	Dynamic Performance	Peak Impact Load		4924.0 Lbf			Pass
	Dorsal D-ring (Feet First)	> 3600 Lbf Harness Shall Not Release Test					
	Dynamic Performance			Did Not Release		Pass	
	Dorsal D-ring (Feet First) Dynamic Performance	Torso Remain Suspended for <u>&gt;</u> 5		5 Minutes			
	Dorsal D-ring (Feet First)					Pass	
ANSI Z359.11-2014	Dynamic Performance	Minutes					
4.3.3	Dorsal D-ring (Feet First)	Angle at Rest <u>&lt;</u> 30°		1.6°		Pass	
4.3.3							
	Dynamic Performance	At Least One Fall Arrest		Visibly and Permanently			
	Dorsal D-ring (Feet First)	Indicator Sha	all be Deployed	Deployed			Pass
		Visibly and P	ermanently	Dep	loyeu		
	Dynamic Performance	Harness Stre	tch Shall Not				
	Dorsal D-ring (Feet First)	Exceed 18"		6.84"			Pass
	Dynamic Performance	Peak Impact	Load	1		1	-
	Dorsal D-ring (Feet First)	> 3600 Lbf	-	4599	9.5 Lbf		Pass
	Dynamic Performance		l Not Release Test	Distant.	Delegar		Dasa
	Dorsal D-ring (Feet First)	Torso		DIG NO	t Release		Pass
	Dynamic Performance	Remain Susp	ended for <u>&gt;</u> 5	E M	inutes		Pass
	Dorsal D-ring (Feet First)	Minutes		5 IVI	inutes		Pass
ANSI Z359.11-2014	Dynamic Performance	Angle at Res	t < 30°	1	65°		Pass
4.3.3	Dorsal D-ring (Feet First)	, ingic at Nes	<u> </u>	1.	00		1 433
		At Least One	Fall Arrest				
	Dynamic Performance		all be Deployed		Permanently		Pass
	Dorsal D-ring (Feet First)	Visibly and P		Dep	loyed		1 0 0 0
			ernditentiy				
	Dynamic Performance	Harness Stre	tch Shall Not	11	.28"		Pass
	Dorsal D-ring (Feet First)	Exceed 18"			.20		r d35





## **FallTech Testing Laboratory**

1306 S. Alameda Street, Compton, CA 90221-4803 Tel: (323) 752-0060 www.falltech.com

fest Report Number	PC-0805	Date	2/26/2016	Rev	R	ev Date	
Report Prepared For	FallTech						
nitiated By	Dan Redden	Test Specif	ication	ANSI Z359.11 4.3.5, 4.3.3, 4			
Base Part #	7092BM	Description	1	Full Body Harr	ness		
Proposed Part #	N/A	Built By Wi	nom	Production		BOMN	0
Test Request #	PC-0805	Date Receiv	ved	1/15/2016	Date Co	omplete	2/24/2016
4.3.6	(Doral D-ring)	Visibly and P		Deployed		Pass	
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)		ll be Deployed	Visibly and Permanently Deployed		Pass	
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One Indicator Sha Visibly and Po	ll be Deployed	Visibly and Permanently Deployed		F	ass
ANSI 2359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One Fall Arrest Indicator Shall be Deployed Visibly and Permanently		Visibly and Permanently Deployed		F	ass
ANSI Z359.11-2014 4.3.7	Lanyard Parking Attachment Element	Disengagement Load ≤ 120 Lbf		Previously Te passed u PC-060	nder	F	ass

FallTech P/N 7092BM meets the requirements of ANSI Z359.11-2014.

Lab Quality Manager Witnessed by

Report Signatories and Approval Jay Aponholz Robust Sorta

Date

Date

2/26/2016 2/26/2016



Exova 3883 East Eagle Drive Anaheim California USA 92807 T: +1 (714) 630-3003 F: +1 (714) 630-4443 E: sales@exova.com W: www.exova.com



Testing. Advising. Assuring.

March 31, 2017

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

Attention: Jay Sponholz Quality Manager

Subject:

Attestation of Witnessing TestingExova OCM Job #370370-4FallTech P.O.:OPENReport No.:PC-0803 HFBase Part No.7089BMDescription:Full Body Harness

Dear Mr. Sponholz:

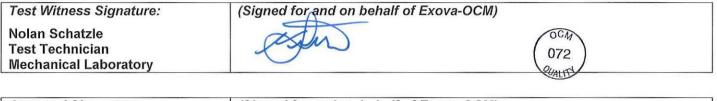
The purpose of this attestation is to attest to the fact that a representative of Exova OCM was on site at FallTech's facilities to confirm suitability of the equipment used, calibration status of the equipment and to witness testing performed by FallTech employees. Details of this visit are included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

- Date of Testing:
  - March 16, 2017
- Exova OCM Test Witness:
  - Nolan Schatzle
- 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
				H1	
PC-0803 HF 3/	3/23/17	7089BM	Full Body Harness	H2	Pass
				H3	



Approval Signature:	(Signed for and on behalf of Exova-OCM)	OCM
Thomas J. (Tom) Parsons Manager Quality / Technical Services	Andbarson	O54 APPROVE

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: 370370-4 Revision Letter: Original Page 2 of 2

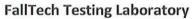
Exova OCM 3883 East Eagle Drive Anaheim, CA 92807 USA

## **FallTech Testing Laboratory**



		FallTech Test Report		
Test Report No.	PC-0803HF	Rpt. Date 3/23/2017	Rpt. Rev	Rev Date
Report Prepared For	FallTech			
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.11-2014; 4.3.	4
Part No.	7089BM		Part No. Revision	А
Part Description	Full Body Harness			
Test Request No.	PC-0803HF		Date Complete	3/16/2017
Test Operator(s)	Yesbet Sierra / Jay Sponho	Z		
		Material/Sample Identification		
Sample ID		Description	1	
H1		Full Body Harne	ess	
H2		Full Body Harne	ess	
H3		Full Body Harne	255	
		Test Summary		
Test Specification	Те	st Criteria	Test Result	Pass/Fail
	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load > 3,600 Lbf	2572.9 Lbf	*
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Remain Suspended for <u>&gt;</u> 5 Minutes	5 Minutes	Pass
4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest ≤ 30°	10.4°	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
	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Load ≥ 3,600 Lbf	2660.6 Lbf	*
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall Not Release Test Torso	Did Not Release	Pass
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Remain Suspended for <u>&gt;</u> 5 Minutes	5 Minutes	Pass
4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest <u>&lt;</u> 30°	4.7°	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







Fest Report No.	PC-0803HF	Rpt. Date	3/23/2017	Rpt. Rev	Rev Date
Report Prepared For	FallTech	Tipli Duto	ULULU II	ripultor	rio i suio
Initiated By	Dan Redden Test Specification(s)			ANSI Z359.11-2014; 4.3.4	
Part No.	7089BM		Part No. Revision	A	
Part Description	Full Body Harness				
Test Request No.	PC-0803HF			Date Complete	3/16/2017
		Test S	ummary		
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		2802.4 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 $\geq$ 5 Minutes		5 Minutes	Pass
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest ≤ 30°		2.6°	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
	FallTech P/N 7089BM		lusion requirements of ANS	2359.11-2014. 4.3.4	
* Harness has been dyna	mically tested and subjected to residual force readings e	o forces of 5,000 Lb			it to the harness prever
	R	Report Signator	ies and Approva	1	
Lab Quality Manager	Jay Sponholz Jay Sponholz			Date	3/23/2017
Witnessed by	Nolan			Date	4/3/17

