Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014 and ANSI/ASSP Z359.7-2019

FALLTECH®

Alexander Andrew, Inc. 1306 S. Alameda St Compton, CA 90221 (800) 719-4619

Declaration #	D0215012h	**Declaration Date**	2/25/2015

Tested Item # **72706SA4** **6' Web Mini SRD Single-leg Swivel Eye+Alum Snap Hook**

Additional Items Conforming Under this Declaration:				72706SA1	72706SA2	72706SA3	72706SA4
72706SA5	72706SA6	72706SB1	72706SB2	72706SB3	72706SB4	72706SB5	72706SB6
72706SD1	72706SD3	72706SE2	72706SF4	72706SF6	72706SG5	72706SG6	72706TB1
72706TB2	72706TB3	72706TB4	72706TB5	72706TB6	72706TH3	72706TH5	72906SC1
72906SC3	72609SC5	72906SC6	72906TB1	72906TB3	72906TB6	72906TB5	72906SA4
72906SC35	72906SC6L	72906SCD1L					

Alexander Andrew, Inc. declares that the product(s) listed above is in conformity with the requirements of the following product standard(s):

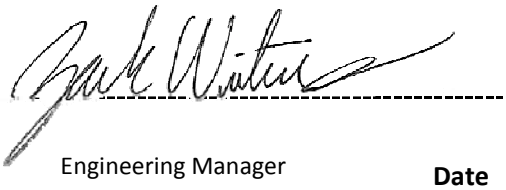
ANSI Z359.14-2012 & ASTM F887

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-0542** **PC-0543** K-418927-1607H09-R00

Authorized Signature 

Name Zachary Winters **Title** Engineering Manager **Date** 1/26/2022

IAS ACCREDITED Testing Laboratory

International Accreditation Service, Inc
3060 Saturn St, Ste 100
Brea, CA 92821 +1 562-364-8201

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

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Testing. Advising. Assuring.

March 18, 2015

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

Attention: Peter Mahbubani
Quality Engineer Supervisor

Subject: **Attestation of Witnessing Testing**
Exova OCM Job # 350239-2
FallTech P.O. 13004
Report # PC-0542
Base Part No. 72706SA4

Dear Mr. Muhbubani:

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:
  - February 3, 2015 and February 24, 2014
- Exova OCM Test Witness:
  - Robert Fortner
- FallTech Test Operators:
  - Peter Mahbubani
  - Yesbet Sierra
- Specification:
  - ANSI Z359.14-2012
- Equipment Calibration Interval
  - 1 year

Exova
OCM

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-0542	2/25/2015	72706SA4	6' Web Self-retracting Device	2333203 2333184 2333188 2333200 2333189 2333208 2333175 2333171 2333187 2333193 1234571 2333193 2333172 2333177 2333173 2333190 2333209 2333207	Pass

Test Witness Signature: **Robert Fortner** **Technician** **Mechanical Laboratory**	***(Signed for and on behalf of Exova-OCM)***
Approval Signature: **Bruce K. Sauer** **Technical Director**	***(Signed for and on behalf of Exova-OCM)***
Approval Signature: **Thomas J. (Tom) Parsons** **Manager** **Quality / Technical Services**	***(Signed for and on behalf of Exova-OCM)***

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2195 Testing
ISO/IEC 17025

Exova OCM 3883 East Eagle Drive Anaheim, CA 92807 USA

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

FallTech Test Report

Test Report Number	PC-0542	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0542	**Date Received**		2/23/2015	**Date Complete**		2/24/2015
Test Operator	Peter Mahbubani	**Test Operator**		Yesbet Sierra			

Material/Sample Identification

Sample ID	Description
2333203	6' Web Self-retracting Device
2333184	6' Web Self-retracting Device
2333188	6' Web Self-retracting Device
2333200	6' Web Self-retracting Device
2333189	6' Web Self-retracting Device
2333208	6' Web Self-retracting Device
2333175	6' Web Self-retracting Device
2333171	6' Web Self-retracting Device
2333187	6' Web Self-retracting Device
2333193	6' Web Self-retracting Device
1234571	6' Web Self-retracting Device
2333193	6' Web Self-retracting Device
2333172	6' Web Self-retracting Device
2333177	6' Web Self-retracting Device
2333173	6' Web Self-retracting Device
2333190	6' Web Self-retracting Device
2333209	6' Web Self-retracting Device
2333207	6' Web Self-retracting Device

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FallTech Test Report

Test Report Number	PC-0542	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0542	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2012 4.2.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	17.6"	Pass
	Max Arrest Force	≤ 1800 Lbf	1342.1 LBf	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	876.9 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.6 LBf	Pass
ANSI Z359.14-2012 4.2.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	21.7"	Pass
	Max Arrest Force	≤ 1800 Lbf	1202.6 LBf	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	828.3 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 LBf	Pass
ANSI Z359.14-2012 4.2.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	18.1"	Pass
	Max Arrest Force	≤ 1800 Lbf	1285.0 LBf	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	914.7 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 LBf	Pass
ANSI Z359.14-2012 4.2.3	Dynamic Strength	4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength	≥ 1000 Lbf	1040.1 LBf	Pass
ANSI Z359.14-2012 4.2.3	Dynamic Strength	4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength	≥ 1000 Lbf	1042.3 LBf	Pass
ANSI Z359.14-2012 4.2.3	Dynamic Strength	4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength	≥ 1000 Lbf	1040.8 LBf	Pass

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FallTech Test Report

Test Report Number	PC-0542	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0542	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

ANSI Z359.14-2012 4.2.5	Static Strength	≥ 3,000 Lbf for ≥ 60 Seconds	3021.1 lbF	Pass
ANSI Z359.14-2012 4.2.5	Static Strength	≥ 3,000 Lbf for ≥ 60 Seconds	3018.8 lbF	Pass
ANSI Z359.14-2012 4.2.5	Static Strength	≥ 3,000 Lbf for ≥ 60 Seconds	3021.8 lbF	Pass
ANSI Z359.14-2012 4.2.6	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.1 lbF	Pass
ANSI Z359.14-2012 4.2.6	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.4 lbF	Pass
ANSI Z359.14-2012 4.2.6	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.2 lbF	Pass
ANSI Z359.14-2012 4.2.8.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	18.7"	Pass
	Max Arrest Force	≤ 1800 Lbf	1133.9 LBf	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	789.9 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.2 LBf	Pass
ANSI Z359.14-2012 4.2.8.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	20.6"	Pass
	Max Arrest Force	≤ 1800 Lbf	1076.2 LBf	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	785.0 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.6 LBf	Pass
ANSI Z359.14-2012 4.2.8.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	18.7"	Pass
	Max Arrest Force	≤ 1800 Lbf	1305.8 LBf	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	837.3 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.75 LBf	Pass

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FallTech Test Report

Test Report Number	PC-0542	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0542	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

ANSI Z359.14-2012 4.2.8.2	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	12.25"	Pass
	Max Arrest Force	≤ 1800 Lbf	1197.2 LBf	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	838.1 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.4 lbF	Pass
ANSI Z359.14-2012 4.2.8.2	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	18.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1254.0 LBf	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	897.5 LBf	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass
ANSI Z359.14-2012 4.2.8.2	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	16.4"	Pass
	Max Arrest Force	≤ 1800 Lbf	1120.8 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	851.3 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.0 lbF	Pass
ANSI Z359.14-2012 4.2.8.3	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	19.1"	Pass
	Max Arrest Force	≤ 1800 Lbf	1168.2 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	776.0 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass
ANSI Z359.14-2012 4.2.8.3	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	21.9"	Pass
	Max Arrest Force	≤ 1800 Lbf	1250.5 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	815.3 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass

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FallTech Test Report							
Test Report Number	PC-0542	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0542	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

ANSI Z359.14-2012 4.2.8.3	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	19.2"	Pass
	Max Arrest Force	≤ 1800 Lbf	1330.6 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	923.0 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.0 lbF	Pass

Conclusion

FallTech P/N 72706SA4 Self-retracting Device meets the requirements of ANSI Z359.14-2012.

Report Signatories and Approval

Lab Quality Manager Peter Mahbubani		Date	2/25/2015
Witnessed by	Robert Fortune	Date	9/01/15

Exova
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USA
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Testing. Advising. Assuring.

March 18, 2015
Revised April 22, 2015

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

Attention: Peter Mahbubani
Quality Engineer Supervisor

Subject: **Attestation of Witnessing Testing**
Exova OCM Job # 350239-3A
FallTech P.O. 13004
Report # PC-0543
Base Part No. 72706SA4

Dear Mr. Muhbubani:

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:
  - February 3, 2015 and February 24, 2014
- Exova OCM Test Witness:
  - Robert Fortner
- FallTech Test Operators:
  - Peter Mahbubani
  - Yesbet Sierra
- Specification:
  - ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3
- Equipment Calibration Interval
  - 1 year

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-0543	2/25/2015	72706SA4	6' Web Self-retracting Device	2333206 2333202 2333176 2333183 2333204 2333178 2333175 2333171 2333187 2333203 1234184 2333188 2333182 2333164 2333212 2333210 2333194 2333167 2333169 2333191 2333201	Pass

Test Witness Signature: **Robert Fortner** **Technician** **Mechanical Laboratory**	***(Signed for and on behalf of Exova-OCM)*** Robert Fortner QUALITY OCM 067

Approval Signature: **Bruce K. Sauer** **Technical Director**	***(Signed for and on behalf of Exova-OCM)*** OCM 056 CERT. APPROVAL

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

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2195 Testing
ISO/IEC 17025

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

FallTech Test Report

Test Report Number	PC-0543	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0543	**Date Received**		2/23/2015	**Date Complete**		2/24/2015
Test Operator	Peter Mahbubani	**Test Operator**		Yesbet Sierra			

Material/Sample Identification

Sample ID	Description
2333206	6' Web Self-retracting Device
2333202	6' Web Self-retracting Device
2333176	6' Web Self-retracting Device
2333183	6' Web Self-retracting Device
2333204	6' Web Self-retracting Device
2333178	6' Web Self-retracting Device
2333175	6' Web Self-retracting Device
2333171	6' Web Self-retracting Device
2333187	6' Web Self-retracting Device
2333203	6' Web Self-retracting Device
2333184	6' Web Self-retracting Device
2333188	6' Web Self-retracting Device
2333182	6' Web Self-retracting Device
2333164	6' Web Self-retracting Device
2333212	6' Web Self-retracting Device
2333210	6' Web Self-retracting Device
2333194	6' Web Self-retracting Device
2333167	6' Web Self-retracting Device
2333169	6' Web Self-retracting Device
2333191	6' Web Self-retracting Device
2333201	6' Web Self-retracting Device

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FallTech Test Report

Test Report Number	PC-0543	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0543	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2012 4.2.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	18.9"	Pass
	Max Arrest Force	≤ 1800 Lbf	1136.6 lbF	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	806.6 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass
ANSI Z359.14-2012 4.2.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	14.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1149.4 lbF	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	853.7 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.2 lbF	Pass
ANSI Z359.14-2012 4.2.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	13.1"	Pass
	Max Arrest Force	≤ 1800 Lbf	1234.2 lbF	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	866.2 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.0 lbF	Pass
ANSI Z359.14-2012 4.2.3	Dynamic Strength	4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength	≥ 1000 Lbf	1040.8 lbF	Pass
ANSI Z359.14-2012 4.2.3	Dynamic Strength	4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength	≥ 1000 Lbf	1041.5 lbF	Pass
ANSI Z359.14-2012 4.2.3	Dynamic Strength	4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength	≥ 1000 Lbf	1040.1 lbF	Pass

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FallTech Test Report

Test Report Number	PC-0543	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0543	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

ANSI Z359.14-2012 4.2.5	Static Strength	≥ 3,000 Lbf for ≥ 60 Seconds	3021.1 lbF	Pass
ANSI Z359.14-2012 4.2.5	Static Strength	≥ 3,000 Lbf for ≥ 60 Seconds	3018.8 lbF	Pass
ANSI Z359.14-2012 4.2.5	Static Strength	≥ 3,000 Lbf for ≥ 60 Seconds	3021.8 lbF	Pass
ANSI Z359.14-2012 4.2.6	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.1 lbF	Pass
ANSI Z359.14-2012 4.2.6	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.4 lbF	Pass
ANSI Z359.14-2012 4.2.6	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.2 lbF	Pass
ANSI Z359.14-2012 4.2.8.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	24.2"	Pass
	Max Arrest Force	≤ 1800 Lbf	989.0 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	766.9 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass
ANSI Z359.14-2012 4.2.8.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	19.8"	Pass
	Max Arrest Force	≤ 1800 Lbf	1226.7 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	815.6 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass
ANSI Z359.14-2012 4.2.8.1	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	23.3"	Pass
	Max Arrest Force	≤ 1800 Lbf	1218.7 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	769.1 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass

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FallTech Test Report

Test Report Number	PC-0543	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0543	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

ANSI Z359.14-2012 4.2.8.2	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	20.4"	Pass
	Max Arrest Force	≤ 1800 Lbf	1312.8 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	844.3 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass
ANSI Z359.14-2012 4.2.8.2	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	19.2"	Pass
	Max Arrest Force	≤ 1800 Lbf	1026.6 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	783.6 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass
ANSI Z359.14-2012 4.2.8.2	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	20.1"	Pass
	Max Arrest Force	≤ 1800 Lbf	1150.2 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	874.7 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.6 lbF	Pass
ANSI Z359.14-2012 4.2.8.3	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	25.4"	Pass
	Max Arrest Force	≤ 1800 Lbf	972.1 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	801.3 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.6 lbF	Pass
ANSI Z359.14-2012 4.2.8.3	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	22.8"	Pass
	Max Arrest Force	≤ 1800 Lbf	1037.8 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	826.8 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF	Pass

FallTech Testing Laboratory
1306 S. Alameda Street,
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Tel: (323) 752-0060
www.falltech.com

FallTech Test Report							
Test Report Number	PC-0543	**Date**	2/25/2015	**Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Dan Redden	**Test Specification**		ANSI Z359.14-2012 4.2.1, 4.2.3, 4.2.5, 4.2.6, 4.2.8.1, 4.2.8.2, 4.2.8.3			
Base Part #	72706SA4	**Description**		6' Web Self-retracting Device			
Proposed Part #	N/A	**Built By Whom**		Production		**BOM**	No
Test Request #	PC-0543	**Date Received**		2/23/2015	**Date Complete**		2/24/2015

ANSI Z359.14-2012 4.2.8.3	Arrest Distance	Class A ≤ 24" Class B ≤ 54"	21.9"	Pass
	Max Arrest Force	≤ 1800 Lbf	1049.6 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	829.6 lbF	Pass
	Retraction Tension	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.8 lbF	Pass

Conclusion

FallTech P/N 72706SA4 Self-retracting Device meets the requirements of ANSI Z359.14-2012.

Report Signatories and Approval

Lab Quality Manager Peter Mahbubani		Date	4/20/2015
Witnessed by	Robert Faulkner	Date	4/20/15

Test Performed for
ArcWear.com
Louisville, KY 40223
www.ArcWear.com

Personal Climbing Equipment provided by
FallTech
1306 S Alameda St
Compton, CA 90221
800-719-4619

Model 72906SA4, 6' Mini DuraTech ArcFlash SRD

OBSERVATION OF WORK PRODUCTS EXPOSED TO AN ELECTRIC ARC

Kinectrics Inc. Report No.: K-418927-1607H09-R00

Item received: July 26, 2016
Test Date: July 26, 2016

Client representative: Hugh Hoagland
ArcWear

Prepared by: Andrew Haines
Technologist
Kinectrics Inc

Approved by: Stephen Cress, P. Eng
Department Manager, DAM
Transmission and Distribution Technologies
Kinectrics Inc

Electric Arc Exposure Test Report

Test Description

At the time of this test, there was no directly applicable test standard to cover arc testing of self-retracting lanyards. It was decided after discussion between Kinectrics and Arcwear to adopt the general set-up used for ASTM F887-13 to generate the arc. The purpose of the electric arc test was to expose the test items to 40 ± 5 cal/cm² and to evaluate for ignition, melting and dripping following the exposure.

In order to complete testing, the test laboratory used the test fixture described in *ASTM F887 - 13 Standard Specifications for Personal Climbing Equipment, Section 22. Electric Arc Performance*. Although the products being evaluated do not strictly fall within the scope of this standard, the apparatus and procedure was adopted to suit the Client's requirements. The test procedure involves installing the finished product onto a secure platform with instrumented calorimeters on each side in order to evaluate the material response characteristics to an arc flash exposure.

- Test Parameters: Arc Gap= 12 inches (30.5 cm), Distance to the arc = 12 inches (30.5 cm)
- Arc Current = 8 kA RMS

The following test data was recorded for each trial:

- Arc exposure electrical conditions: arc trial number, arc current, arc voltage, arc duration, energy dissipated in arc, incident energy
- Review of product by qualified observer (see attached observation form)
- Photographs of garment before and after arc exposure
- Video recording of arc exposure

Results and Observations

The details of the product and observations are attached on the product evaluation form. These were completed at the time of the test. The subjective evaluation of the product was to document product design or material response concerns such as ignition or melting and dripping. The observations were performed by a qualified observer that has knowledge of behavior of materials in an arc exposure and in depth knowledge of testing specifications and requirements.

Quality Management

Kinectrics' Quality Management System is registered to ISO 9001:2008 by QMI, a division of SAI Global and North America's leading QMS registrar. Adherence to this standard provides one of the strongest assurances of service quality available. As a minimum, all work at Kinectrics' is performed to meet the requirements of ISO 9001:2008.

Note about this report:

- The test performed does not apply to electrical contact or electrical shock hazard
- The test result is applicable only to the Test Item, other material or color may have a different response
- It is assumed that the product description supplied by the client is accurate and complete

Sample description: **6' Mini DuraTech ArcFlash SRD**
Sample identification: **Model 72906SA4**
Manufacturer **FallTech**
Material of webbing: **Kevlar**
Other detail: **Nomex Cover**

Trial # 16-3684		
Mannequin	A – front exposure	B – back exposure
Item Serial #	N/A	N/A
Ei, cal/cm²	39.7	38.7
Afterflame	1	0
Ignition	N	N
Melting and dripping	N	N
Comment	Pass. There was evidence of melting and flowing/sagging of FR Velcro; No evidence of dripping or ignition.	Pass. There was evidence of melting and flowing/sagging of FR Velcro; No evidence of dripping or ignition.

Conclusions

The Model 72906SA4 6’ Mini DuraTech ArcFlash SRD showed good overall performance in the electric arc and did not exhibit any signs of dripping, or ignition of any system component during testing. Although there is no requirement, it is strongly recommended that these tested items be subjected to an applicable drop test following exposure.