



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

	FallTech Test Report					
Test Report No.	PC-2207	Rpt. Date	3/29/2021	Rpt. Rev	Rev Date	
Report Prepared For	FallTech					
Initiated By	Dan Redden	Test Specific	cation(s)	ANSI Z359.11-2 ASTM F-887-18	014: 4.3.5, 4.3.3, 4.3.4, 4.3.6	
Part No.	7054FD			Part No. Revisi	on A	
Part Description	Arc Flash Nylon Standard	Climbing Non	-Belted FBH	S 1D + FD QC Le	egs/QC Chest	
Test Request No.	PC-2207			Date Complete	3/24/2021	
Test Operator(s)	Yesbet Sierra / Jay Spont	nolz				
	Mate	erial/Sample	Identificati	on		
Sample ID						
5706813	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706815	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706811	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706816	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706809	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5706819	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5767856	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5706821	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5706818	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5767857	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5706812	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5706822	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	O QC Legs/QC Chest	
5767858	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706820	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706814	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706825	Arc Flash Ny	Arc Flash Nylon Standard Climbing Non-Belted FBH S 1D + FD QC Legs/QC Chest				
5706826	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	OQC Legs/QC Chest	
5706823	Arc Flash Ny	lon Standard Cl	limbing Non-Be	elted FBH S 1D + FD	OQC Legs/QC Chest	





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Part No.	7054FD			Part No. Revi		A	
Part Description	Arc Flash Nylon Standa	rd Climbing Nor	-Belted FBH	S 1D + FD QC	Legs/QC	Chest	
Test Request No.	Request No. PC-2207 Date Complete 3/24/2021						
		Test Sur	nmary				
Test Specification	Tes	t Criteria		Test Re	sult	Pass	s/Fail
	Static Strength (Dorsal D-ring)	3600 Lbf <u>></u> 1 N	linute	3618.3	Lbf	Ра	155
ANSI Z359.11-2014	Static Strength (Dorsal D-ring)	Harness Shall I Test Torso	Not Release	Did Not Re	elease	Pa	ISS
4.3.5	Adjuster Slippage	Slippage <u><</u> 1"		0.0"		Pa	ISS
4.5.5	Tear Distance (Buckle)	Shall Not Tear a Distance > 1" or Adjacent Eyelet		Did Not Tear	Through	Ра	ISS
	Tearing Signs of Tearing		Did Not	Tear	Pa	ISS	
	Static Strength (Dorsal D-ring)	3600 Lbf <u>></u> 1 Minute		3624.6	Lbf	Pa	155
	Static Strength (Dorsal D-ring)	Harness Shall Not Release Test Torso		Did Not Re	elease	Ра	ISS
ANSI Z359.11-2014 4.3.5	Adjuster Slippage	Slippage <u><</u> 1"		0.0"		Pa	ISS
4.3.3	Tear Distance (Buckle)		Shall Not Tear a Distance > 1" or Adjacent Eyelet		Through	Ра	155
	Tearing	Straps Shall No Signs of Tearin		Did Not	Tear	Pa	155
	Static Strength (Dorsal D-ring)	3600 Lbf <u>></u> 1 №	linute	3618.2	Lbf	Ра	ISS
	Static Strength (Dorsal D-ring)	Harness Shall I Test Torso	Not Release	Did Not Re	elease	Pa	ISS
ANSI Z359.11-2014	Adjuster Slippage	Slippage <u><</u> 1"		0.0"		Pa	ISS
4.3.5	Tear Distance (Buckle)	Shall Not Tear 1" or Adjacent	ear a Distance > Did Not Tear Through		Through	Ра	155
	Tearing	Straps Shall No Signs of Tearin	,	Did Not	Tear	Pa	ISS



This laboratory is accredited with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC Communique dated January 2009). FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic and static strength test results.

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Report Prepared For	FallTech				
Initiated By	Dan Redden	Test Specific	cation(s)	ANSI Z359.11-2014: ASTM F-887-18	4.3.5, 4.3.3, 4.3.4, 4.3.6
Part No.	7054FD			Part No. Revision	A
Part Description	Arc Flash Nylon Standard	d Climbing Non	-Belted FBH	S 1D + FD QC Legs/C	C Chest
Test Request No.	PC-2207	C-2207 Date Complete 3/24/2021			3/24/2021
	Те	st Summary	(Continued	d)	
Test Specification		Criteria		Test Result	Pass/Fail
	Static Strength (Sternal D-ring)	3600 Lbf ≥ 1 N	linute	3625.2 Lbf	Pass
ANSI Z359.11-2014	Static Strength (Sternal D-ring)	Harness Shall I Test Torso	Not Release	Did Not Release	Pass
4.3.5	Adjuster Slippage	Slippage <u><</u> 1"		0.0"	Pass
4.3.5	Tear Distance	e Shall Not Tear a Distance > 1" or Adjacent Eyelet		Did Not Tear Through	Pass
	Tearing	Straps Shall No Signs of Tearin		Did Not Tear	Pass
	Static Strength (Sternal D-ring)	3600 Lbf <u>></u> 1 №	linute	3623.6 Lbf	Pass
	Static Strength (Sternal D-ring)	Harness Shall I Test Torso	Not Release	Did Not Release	Pass
ANSI Z359.11-2014 4.3.5	Adjuster Slippage	Slippage <u><</u> 1"		0.0"	Pass
4.3.3	Tear Distance	Shall Not Tear 1" or Adjacent		Did Not Tear Through	Pass
	Tearing	Straps Shall No Signs of Tearin	•	Did Not Tear	Pass
	Static Strength (Sternal D-ring)	3600 Lbf ≥ 1 N	linute	3623.4 Lbf	Pass
	Static Strength (Sternal D-ring)	Harness Shall I Test Torso	Not Release	Did Not Release	Pass
ANSI Z359.11-2014 4.3.5	Adjuster Slippage	Slippage <u><</u> 1"		0.0"	Pass
4.3.3	Tear Distance	Shall Not Tear 1" or Adjacent		Did Not Tear Through	Pass
	Tearing	Straps Shall No Signs of Tearin	•	Did Not Tear	Pass



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Report Prepared For	FallTech					
Initiated By	Dan Redden	Test Specific	cation(s)	ANSI Z359.11-2014: 4. ASTM F-887-18	3.5, 4.3.3, 4.3.4, 4.3.6	
Part No.	7054FD			Part No. Revision	А	
Part Description	Arc Flash Nylon Standard	Climbing Non	-Belted FBH	-		
Test Request No.	PC-2207			Date Complete	3/24/2021	
Test Summary (Continued)						
Test Specification	Test	Criteria		Test Result	Pass/Fail	
	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Lo <u>></u> 3600 Lbf	bad	4424.2 Lbf	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Shall N Test Torso	Not Release	Did Not Release	Pass	
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Remain Susper Minutes	nded for <u>></u> 5	5 Minutes	Pass	
с.с. г	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest <u><</u>	<u>3</u> 30°	1.9°	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fail Indicator Shall		Visibly and Permanently Deployed	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretc Exceed 18"	h Shall Not	8.8"	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Lo <u>></u> 3600 Lbf	bad	4460.3 Lbf	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Shall N Test Torso	Not Release	Did Not Release	Pass	
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Remain Susper Minutes	nded for <u>></u> 5	5 Minutes	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest <u><</u>	<u>:</u> 30°	0.8°	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fail Indicator Shall		Visibly and Permanently Deployed	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretc Exceed 18"		9.5"	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Peak Impact Lo <u>></u> 3600 Lbf		4253.4 Lbf	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Shall N Test Torso		Did Not Release	Pass	
ANSI Z359.11-2014 4.3.3	Dynamic Performance Dorsal D-ring (Feet First)	Remain Susper Minutes	nded for <u>></u> 5	5 Minutes	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Angle at Rest <u><</u>		3.3°	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	At Least One Fail Indicator Shall	Deploy	Visibly and Permanently Deployed	Pass	
	Dynamic Performance Dorsal D-ring (Feet First)	Harness Stretc Exceed 18"	h Shall Not	10.4"	Pass	





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Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specific	cation(s)	ANSI Z359.11 ASTM F-887-1		3.5, 4.3.3, 4.3	.4, 4.3.6
Part No.	7054FD			Part No. Revis		А	
Part Description	Arc Flash Nylon Standard	I Climbing Non	-Belted FBH		÷	Chest	
Test Request No.	PC-2207			Date Complet	e	3/24/2021	
	Test Summary (Continued)						
Test Specification		Criteria		Test Res	sult	Pass	/Fail
	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Lo <u>></u> 3,600 Lbf	bad	2980.4 L	.bf	*	
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall N Test Torso	Not Release	Did Not Rel	lease	Pas	SS
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Remain Susper Minutes	nded for <u>></u> 5	5 Minute	es	Pas	SS
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest <	Angle at Rest ≤ 30°			Pas	SS
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Deploy		Visibly and Perr Deploye	-	Pas	SS
	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Lo <u>></u> 3,600 Lbf	bad	2564.1 L	.bf	*	
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall N Test Torso	Not Release	Did Not Rel	lease	Pas	55
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Remain Susper Minutes	nded for <u>></u> 5	5 Minute	es	Pas	55
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest <u><</u>	<u><</u> 30°	11.6°		Pas	55
	Dynamic Performance Dorsal D-ring (Head First)	At Least One Fall Arrest Indicator Shall Deploy		Visibly and Perr Deploye		Pas	55
	Dynamic Performance Dorsal D-ring (Head First)	Peak Impact Lo <u>></u> 3,600 Lbf	bad	2131.9 L	.bf	*	
	Dynamic Performance Dorsal D-ring (Head First)	Harness Shall N Test Torso	Not Release	Did Not Rel	lease	Pas	SS
ANSI Z359.11-2014 4.3.4	Dynamic Performance Dorsal D-ring (Head First)	Remain Suspended for <u>></u> 5 Minutes		5 Minute	es	Pas	55
	Dynamic Performance Dorsal D-ring (Head First)	Angle at Rest <	<u><</u> 30°	13.4°		Pas	SS
	Dynamic Performance Dorsal D-ring (Head First)	At Least One F Indicator Shall		Visibly and Perr Deploye	-	Pas	SS





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Initiated By	Dan Redden	Test Specifie	cation(s)	ANSI Z359.11-2014: ASTM F-887-18	4.3.5, 4.3.3, 4.3.4, 4.3.6	
Part No.	7054FD			Part No. Revision	A	
Part Description	Arc Flash Nylon Standard	I Climbing Nor	-Belted FBH	,	C Chest	
Test Request No.	PC-2207			Date Complete	3/24/2021	
	Te	st Summary	(Continued	I)		
Test Specification	Test	Criteria		Test Result	Pass/Fail	
	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Lo <u>></u> 3600 Lbf	bad	2818.3 Lbf	*	
	Dynamic Performance Sternal D-ring (Feet First)	Harness Shall I Test Torso	Not Release	Did Not Release	Pass	
ANSI Z359.11-2014	Dynamic Performance Sternal D-ring (Feet First)	Remain Suspended for <u>></u> 5 Minutes		5 Minutes	Pass	
4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Angle at Rest <u><</u> 50°		26.1°	Pass	
	Dynamic Performance Sternal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall be Deployed Visibly and Permanently		Visibly and Permanen Deployed	ly Pass	
	Dynamic Performance Sternal D-ring (Feet First)	Harness Stretch Shall Not Exceed 18"		12.5"	Pass	
	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Lo <u>></u> 3600 Lbf	bad	2894.2 Lbf	*	
	Dynamic Performance Sternal D-ring (Feet First)	Harness Shall Not Release Test Torso		Did Not Release	Pass	
ANSI Z359.11-2014 4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Remain Susper Minutes	nded for <u>></u> 5	5 Minutes	Pass	
	Dynamic Performance Sternal D-ring (Feet First)	Angle at Rest ≤ 50°		24.4°	Pass	
	Dynamic Performance Sternal D-ring (Feet First)	At Least One Fall Arrest Indicator Shall be Deployed Visibly and Permanently		Visibly and Permanen Deployed	ly Pass	
	Dynamic Performance Sternal D-ring (Feet First)	Harness Stretc Exceed 18"	h Shall Not	13.0"	Pass	



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Report Prepared For	FallTech				
Initiated By	Dan Redden	Test Specific	cation(s)	ANSI Z359.11-2014: 4. ASTM F-887-18	3.5, 4.3.3, 4.3.4, 4.3.6
Part No.	7054FD			Part No. Revision	A
Part Description	Arc Flash Nylon Standard	I Climbing Non	-Belted FBH	S 1D + FD QC Legs/QC	Chest
Test Request No.	PC-2207			Date Complete	3/24/2021
	Te	st Summary	(Continued	l)	
Test Specification	Test	Criteria		Test Result	Pass/Fail
	Dynamic Performance Sternal D-ring (Feet First)	Peak Impact Lo <u>></u> 3600 Lbf	bad	3310.7 Lbf	*
	Dynamic Performance Sternal D-ring (Feet First)	Harness Shall N Test Torso	Not Release	Did Not Release	Pass
ANSI Z359.11-2014	Dynamic Performance Sternal D-ring (Feet First)	Remain Susper Minutes	nded for <u>></u> 5	5 Minutes	Pass
4.3.3	Dynamic Performance Sternal D-ring (Feet First)	Angle at Rest <u><</u>	<u>:</u> 50°	30.2°	Pass
	Dynamic Performance Sternal D-ring (Feet First)	At Least One Fail Indicator Shall Visibly and Per	be Deployed	Visibly and Permanently Deployed	Pass
	Dynamic Performance Sternal D-ring (Feet First)	Harness Stretc Exceed 18"	h Shall Not	13.0"	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One Fall Arrest Indicator Shall Deploy		Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One Fall Arrest Indicator Shall Deploy		Visibly and Permanently Deployed	Pass
ANSI Z359.11-2014 4.3.6	Fall Arrest Indicator Test (Doral D-ring)	At Least One F Indicator Shall		Visibly and Permanently Deployed	Pass

Conclusion

Based upon the samples provided to the Lab:

FallTech P/N 7054FD Rev. A meets the requirements of ANSI Z359.11-2014 and * ASTM F-887-18

Test Exceptions

* Harness has been dynamically tested and subjected to forces of 5,000 Lbs. or more. Energy absorbing properties inherent to the harness prevented residual force readings equal to or greater than the 3,600 Lbs. required by the standard.

	Report Signatories and Approval		
Lab Quality Manager	Jay Sponholz	Date	3/29/2021
Witnessed by	Not Required	Date	N/A







TESTING - EXPOSURE TO AN ELECTRIC ARC

Test Specimen: Harness, Style 7054FDM Webbing: Yellow Nylon

Requested by: FallTech 1306 S Alameda St Compton, CA 90221

Test Standard: ELECTRIC ARC TESTS: ASTM F887-20 OBSERVATION OF PERSONAL CLIMBING EQUIPMENT EXPOSED TO AN ELECTRIC ARC

Test Report: K-580521-2102H05-R00

Sample Received Febuary-19-2021

Test Date February-24-2021 Report Date March-01-2021

Prepared by

Approved by

Robert Ferraz Technologist, HCL TD Technologies, Kinectrics Claude Maurice Technical Specialist, HCL TD Technologies, Kinectrics

For questions about this test report, please contact testing@arcwear.com

KINECTRICS INC. 800 Kipling Ave, Unit 2, M8Z 5G5, Toronto, ON, Canada <u>www.kinectrics.com</u>

Proprietary and Confidential

Revision History

Rev	Description			
00	Initial report creation			
	Issue Date	Prepared by	Approved by	
	March-01-2021	Robert Ferraz	Claude Maurice	
Rev	Description			
	Issue Date	Prepared by	Verified by	

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QUALITY MANAGEMENT

The arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada (SCC) to conform to the requirements of CAN-P-4E (ISO/IEC 17025:2005). Accreditation by the Standards Council of Canada (SCC) is a mark of competence and reliability

- The test performed does not apply to electrical contact or electrical shock hazard.
- The test result is applicable only to the Test Specimens delivered to Kinectrics, other material, design or color may have a different response.
- It is the clients' responsibility to provide full and accurate information about the items supplied.
- No test is done to validate the fiber content or composition of the test item.
- Photographs of the test specimens and waveforms of the arc current, voltage and calorimeters with the circuit and arc exposure calibration records are available from Kinectrics and provided to the client separately from this report.



1 Test Standard:

Electrical arc test according to ASTM F887-20, Section 22

Standard Specifications for Personal Climbing Equipment, After Exposure to an Electric Arc Evaluation. Specimens are mounted on mannequins of panels having a distance of 30.5 cm (12 inches) from the centerline of the electrodes. The test standard requires that the finished personal climbing equipment be exposed to a level of 40 cal/cm² \pm 5 cal/cm².

1.1 Test Requirements

Harnesses- The test program requires the specimens be placed on mannequins as normally worn. A minimum of eight samples are tested, four samples with the front facing the arc and four samples with the back side toward the arc.

Harness accessories, loops etc. - Three specimens of each accessory or loop are required to be exposed to the arc.

Energy Absorbing Lanyard - Three specimens of each lanyard are required to be exposed to the arc.

Other effects than the thermal effects of an electric arc like noise, light emissions, pressure rise, hot oil, electric shock, the consequences of physical and mental shock or toxic influences are not covered by this standard.

1.2 Acceptance criteria for products exposed to electrical arc:

The procedure outlined in ASTM F887 is followed to verify the electric arc performance of the personal climbing equipment. The product is considered as having passed the visual inspection criteria if the parameters defined in Table 1-1 are met. As proof of performance following the arc exposure, the exposed test specimens shall be subjected to a drop test. This shall be done as soon as practically possible. The samples have been returned to the client as directed to perform the drop test.

Parameter	Criterion
Arc Energy	Electrical arc exposure of 40 cal/cm ² ± 5 cal/cm ²
Ignition	No electric arc ignition.
After-flame Time	Less than 5 seconds on load bearing materials and less than 15 seconds for accessories or non-load bearing components.
Melting/Dripping	No melting and dripping of molten materials to the floor of any load bearing material. Accessories are allowed to exhibit melting and dripping provided they are not ignited while dripping.

Table 1-1: Visual inspection Criteria for Electric Arc Performance of ASTM F887-20





2 Test Condition:

The following test circuit parameters and conditions were used.

- Electric arc current: 8 kA rms ± 10%, 60 Hz
- Open circuit voltage: 2500 V rms ± 10%, 60 Hz
- Nominal Heat Flux Density: 2100 kW/m² (50 cal/cm²·s)
- Arc duration: 0.85 seconds ± 0.1 s to obtain required incident energy
- Electrode gap: 305 mm (12 inches)
- Distance from mannequin to electrode: 305 mm (12 inches)

Note: The measurement uncertainty, MU, for the measured values of this test method are well within the requirements of the test standard and are defined on a 95% confidence interval basis over the full test range, as follows:

-	Temperature:	± 2 °C	Incident Energy:	± 1.5%
-	Arc Current:	± 2.5%	Voltage:	± 2.2%

Arc Current: ± 2.5%
Time zero reference: ± 3 ms

3 Test Specimen:

The following description of the test sample was provided by the client and confirmed by the identification tag shown in Figure 3.1.

Sample description:Falltech, HarnessSample identification:Style 7054FDMManufacturer:FalltechMaterial of webbing:Yellow Nylon with Nomex Kevlar Ripstop Leg and Shoulder Yoke PadsNumber of samples tested:12Deviations:NoneNote:Product modified from as-received state. Suspension Trauma Safety

Strap Packs removed from harness prior to testing, as requested by the manufacturer.







4 Test Results:

March-01-2021

KINECTRICS INC.

Arc exposures were performed on twelve samples as indicated. If the conditions and evaluation of the samples meet the criteria in Table 1-1, the product has passed the electrical arc exposure and is candidate for the mechanical drop test to fully meet the arc performance requirements of ASTM F887-20. Photographs of the samples before and after the arc exposure are shown in Section 6.

	ble 4-1: Summary of Test Resu Trial # 21-1154	
Mannequin	A – Front	B – Back
Item Serial #	5706821	5706822
Incident Energy	37.4 Cal/cm ²	39.8 Cal/cm ²
After-flame	0	0
Ignition	Ν	Ν
Melting and Dripping	Ν	Ν
Acceptance Criteria	Meets	Meets
	Trial # 21-1155	
Mannequin	A – Front	B – Back
Item Serial #	5706823	5706841
Incident Energy	38.7 Cal/cm ²	44.3 Cal/cm ²
After-flame	0	0
Ignition	Ν	Ν
Melting and Dripping	Ν	N
Acceptance Criteria	Meets	Meets
	Trial # 21-1156	
Mannequin	A – Front	B – Back
Item Serial #	5706820	5706818
Incident Energy	37.7 Cal/cm ²	40.1 Cal/cm ²
After-flame	0	0
Ignition	Ν	N
Melting and Dripping	N	N
Acceptance Criteria	Meets	Meets
	Trial # 21-1157	
Mannequin	A – Front	B – Back
Item Serial #	5706809	5706815
Incident Energy	40.7 Cal/cm ²	38.2 Cal/cm ²
After-flame	0	0
Ignition	Ν	N
Melting and Dripping	Ν	N
Acceptance Criteria	Meets	Meets



Trial # 21-1158		
Mannequin	A – Front	B – Back
Item Serial #	5706812	5706811
Incident Energy	40.2 Cal/cm ²	40.3 Cal/cm ²
After-flame	0	0
Ignition	Ν	N
Melting and Dripping	Ν	N
	Trial # 21-1159	
Mannequin	A – Front	B – Back
Item Serial #	5706819	5706810
Incident Energy	38.2 Cal/cm ²	41.0 Cal/cm ²
After-flame	0	7
Ignition	Ν	N
Melting and Dripping	Ν	N
Acceptance Criteria	Meets	Meets

4.1 Observations:

Light charring of the outer layer of webbing was observed on all samples tested. Afterflame was observed on the identification tag cover of one of the samples tested lasting less than 15 seconds as described in Table 4-1. There was no evidence of melting, dripping or ignition on any of the samples tested.

5 Interpretation of Results:

Based on the test results in Table 4-1 and observations, the product tested meets the requirements criteria of Table 1-1 as per ASTM F887-20 sections 22.1-22.4 and 22.6.1-22.6.2.

According to ASTM F887-20, Section 25, qualification of performance shall include a mechanical integrity (vertical drop test) as soon as possible following the arc exposure. This shall be arranged by the producer. If any accessories are to be added to the product, or the product undergoes modification from what has been reported, it must be re-tested.