

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 #

D0915072

Declaration Date

9/15/2023

Tested Item #

7278

120' DuraTech SRL-R, Galvanized Cable with Storage Bag, for Tripods and Davits

Additional Items Conforming Under this Declaration:

7277

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

ANSI Z359.14-2021

Conformity Assessment Method in accordance with ANSI/ISEA 125-2014

Level 1

Level 2

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-2922

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

9/15/2023



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FallTech Lab - TL-594
ISO/IEC 17025:2017

Alexander Andrew Inc dba FallTech

FallTech Test Report

Test Report No.	PC-2922	Rpt. Date	9/14/2023	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Zachary Winters	Test Specification(s)	ANSI Z359.14-2021: 4.2, 4.3, 4.4, 4.5				
Part No.	7278	Part No. Revision	B				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-2922	Date Complete	9/13/2023				
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
F1	120' DuraTech SRL-R, Galvanized Cable
F2	120' DuraTech SRL-R, Galvanized Cable
F3	120' DuraTech SRL-R, Galvanized Cable
A1	120' DuraTech SRL-R, Galvanized Cable
A2	120' DuraTech SRL-R, Galvanized Cable
A3	120' DuraTech SRL-R, Galvanized Cable
H1	120' DuraTech SRL-R, Galvanized Cable
H2	120' DuraTech SRL-R, Galvanized Cable
H3	120' DuraTech SRL-R, Galvanized Cable
C1	120' DuraTech SRL-R, Galvanized Cable
C2	120' DuraTech SRL-R, Galvanized Cable
C3	120' DuraTech SRL-R, Galvanized Cable
W1	120' DuraTech SRL-R, Galvanized Cable
W2	120' DuraTech SRL-R, Galvanized Cable
W3	120' DuraTech SRL-R, Galvanized Cable
SSTR1	120' DuraTech SRL-R, Galvanized Cable
SSTR2	120' DuraTech SRL-R, Galvanized Cable
SSTR3	120' DuraTech SRL-R, Galvanized Cable
SST1	120' DuraTech SRL-R, Galvanized Cable
SST2	120' DuraTech SRL-R, Galvanized Cable
SST3	120' DuraTech SRL-R, Galvanized Cable
E1	120' DuraTech SRL-R, Galvanized Cable
E2	120' DuraTech SRL-R, Galvanized Cable
E3	120' DuraTech SRL-R, Galvanized Cable
R1	120' DuraTech SRL-R, Galvanized Cable
R2	120' DuraTech SRL-R, Galvanized Cable
R3	120' DuraTech SRL-R, Galvanized Cable

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Part No.	7278	Part No. Revision			B		
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-2922	Date Complete			9/13/2023		

Test Summary

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2021 4.3.4.1	36" Travel with 125% Maximum Capacity 397 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	36" Travel with 75% Minimum Capacity 97 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
ANSI Z359.14-2021 4.3.4.1	36" Travel with 125% Maximum Capacity 397 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	36" Travel with 75% Minimum Capacity 97 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
ANSI Z359.14-2021 4.3.4.1	36" Travel with 125% Maximum Capacity 397 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	36" Travel with 75% Minimum Capacity 97 lbs	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
ANSI Z359.14-2021 4.3.1 / 4.3.4.3 Dynamic Performance Ambient Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	697.3 lbF	Pass
	Avg Arrest Force	≤ 1350 Lbf	602.2 lbF	Pass
	Arrest Distance	≤ 42"	18.0"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 9.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1 / 4.3.4.3 Dynamic Performance Ambient Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	895.0 lbF	Pass
	Avg Arrest Force	≤ 1350 Lbf	654.2 lbF	Pass
	Arrest Distance	≤ 42"	19.6"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 10.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass

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Part No.	7278	Part No. Revision			B		
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-2922	Date Complete			9/13/2023		

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2021 4.3.1 / 4.3.4.3 Dynamic Performance Ambient Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	847.2 lbF	Pass
	Avg Arrest Force	≤ 1350 Lbf	664.9 lbF	Pass
	Arrest Distance	≤ 42"	15.4"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 7.5"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.7 / 4.3.4.3.1 Dynamic Performance Hot Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1023.1 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	798.4 lbF	Pass
	Arrest Distance	≤ 42"	30.2"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 12.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.7 / 4.3.4.3.1 Dynamic Performance Hot Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1041.2 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	731.8 lbF	Pass
	Arrest Distance	≤ 42"	25.6"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 12.8"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.7 / 4.3.4.3.1 Dynamic Performance Hot Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1086.6 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	836.9 lbF	Pass
	Arrest Distance	≤ 42"	27.2"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 13.6"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.8 / 4.3.4.3.2 Dynamic Performance Cold Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1078.2 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	777.6 lbF	Pass
	Arrest Distance	≤ 42"	27.9"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 14.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass

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Test Request No.	PC-2922			Date Complete		9/13/2023	

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2021 4.3.1.8 / 4.3.4.3.2 Dynamic Performance Cold Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1059.8 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	868.6 lbF	Pass
	Arrest Distance	≤ 42"	25.0"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 12.5"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.8 / 4.3.4.3.2 Dynamic Performance Cold Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	935.4 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	729.0 lbF	Pass
	Arrest Distance	≤ 42"	28.0"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 14.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.9 / 4.3.4.3.3 Dynamic Performance Wet Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1067.6 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	778.2 lbF	Pass
	Arrest Distance	≤ 42"	30.0"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 15.0"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.9 / 4.3.4.3.3 Dynamic Performance Wet Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1061.0 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	804.7 lbF	Pass
	Arrest Distance	≤ 42"	26.6"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 13.3"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass
ANSI Z359.14-2021 4.3.1.9 / 4.3.4.3.3 Dynamic Performance Wet Post Fall Rescue	Max Arrest Force	≤ 1800 Lbf	1200.9 lbF	Pass
	Avg Arrest Force	≤ 1575 Lbf	912.2 lbF	Pass
	Arrest Distance	≤ 42"	30.4"	Pass
	Post Fall Raise	50% Arrest or Sufficient	Engage and Raise 15.2"	Pass
	Line Displacement	≤ 4"	0.0"	Pass
	Post Fall Lower	Engage and Lower	Engage and Lower	Pass

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Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.4.4	Static Strength Rescue Mode $\geq 3,600$ Lbf for ≥ 60 Seconds	3639.6 lbF	Pass
ANSI Z359.14-2021 4.3.4.4	Static Strength Rescue Mode $\geq 3,600$ Lbf for ≥ 60 Seconds	3622.6 lbF	Pass
ANSI Z359.14-2021 4.3.4.4	Static Strength Rescue Mode $\geq 3,600$ Lbf for ≥ 60 Seconds	3637.0 lbF	Pass
ANSI Z359.14-2021 4.2.1	Static Strength SRL $\geq 3,600$ Lbf for ≥ 60 Seconds	3622.5 lbF	Pass
ANSI Z359.14-2021 4.2.1	Static Strength SRL $\geq 3,600$ Lbf for ≥ 60 Seconds	3638.9 lbF	Pass
ANSI Z359.14-2014 4.2.5	Static Strength SRL $\geq 3,600$ Lbf for ≥ 60 Seconds	3625.4 lbF	Pass
ANSI Z359.14-2021 4.4	Max Arrest Force ≤ 1800 Lbf	1783.9 lbF	Pass
ANSI Z359.14-2021 4.4	Max Arrest Force ≤ 1800 Lbf	1434.5 lbF	Pass
ANSI Z359.14-2021 4.4	Max Arrest Force ≤ 1800 Lbf	1620.9 lbF	Pass

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Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.14-2014 4.5.2	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.5 lbF Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.2 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.6 lbF Pass
ANSI Z359.14-2014 4.5.2	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.1 lbF Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.6 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.6 lbF Pass
ANSI Z359.14-2014 4.5.2	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.8 lbF Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.9 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.4 lbF Pass

Conclusion

Based upon the samples provided to the Lab:
 FallTech P/N 7278 Rev. B meets the requirements of ANSI Z359.14-2021.

Report Signatories and Approval

Lab Quality Manager		Date	8/14/2023
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