

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 # D0520038

Declaration Date 05.01.20

Tested Item # **7281DT** **45' 3-way SRL-R, Technora Rope**

Additional Items Conforming Under this Declaration:

7281TT

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

ANSI Z359.14-2014

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-1854**

Authorized Signature

Name Zachary Winters

Title Engineering Manager

Date 05.01.20



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

FallTech Lab - TL-594
ISO/IEC 17025:2005
Alexander Andrew Inc dba FallTech

FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				
Test Operator(s)	Oscar Jaramillo / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
FT34451	45' 3-way SRL-R. Technora Rope
FT34637	45' 3-way SRL-R. Technora Rope
FT34927	45' 3-way SRL-R. Technora Rope
FT34498	45' 3-way SRL-R. Technora Rope
FT34651	45' 3-way SRL-R. Technora Rope
FT34688	45' 3-way SRL-R. Technora Rope
FT34451	45' 3-way SRL-R. Technora Rope
FT34637	45' 3-way SRL-R. Technora Rope
FT34927	45' 3-way SRL-R. Technora Rope
FT34473	45' 3-way SRL-R. Technora Rope
FT34959	45' 3-way SRL-R. Technora Rope
FT34682	45' 3-way SRL-R. Technora Rope
FT34451	45' 3-way SRL-R. Technora Rope
FT34637	45' 3-way SRL-R. Technora Rope
FT34927	45' 3-way SRL-R. Technora Rope
FT34498	45' 3-way SRL-R. Technora Rope
FT34651	45' 3-way SRL-R. Technora Rope
FT34688	45' 3-way SRL-R. Technora Rope
FT34691	45' 3-way SRL-R. Technora Rope
FT34699	45' 3-way SRL-R. Technora Rope
FT34633	45' 3-way SRL-R. Technora Rope



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.14-2014 4.3.1	Functional 36" Travel 125 % Maximum Capacity (387 lbs)	< 4" Vertical Displacement	0.0"
	Hold	1 Minute	1 Minute
	Functional 36" Travel 75 % Minimum Capacity (97 lbs)	< 4" Vertical Displacement	0.0"
	Hold	1 Minute	1 Minute
ANSI Z359.14-2014 4.3.1	Functional 36" Travel 125 % Maximum Capacity (387 lbs)	< 4" Vertical Displacement	0.0"
	Hold	1 Minute	1 Minute
	Functional 36" Travel 75 % Minimum Capacity (97 lbs)	< 4" Vertical Displacement	0.0"
	Hold	1 Minute	1 Minute
ANSI Z359.14-2014 4.3.1	Functional 36" Travel 125 % Maximum Capacity (387 lbs)	< 4" Vertical Displacement	0.2"
	Hold	1 Minute	1 Minute
	Functional 36" Travel 75 % Minimum Capacity (97 lbs)	< 4" Vertical Displacement	0.0"
	Hold	1 Minute	1 Minute
ANSI Z359.14-2014 4.3.3	Static Strength Rescue Mode	≥ 3,000 Lbf for ≥ 60 Seconds	3064.7 lbF
ANSI Z359.14-2014 4.3.3	Static Strength Rescue Mode	≥ 3,000 Lbf for ≥ 60 Seconds	3046.6 lbF
ANSI Z359.14-2014 4.3.3	Static Strength Rescue Mode	≥ 3,000 Lbf for ≥ 60 Seconds	3043.0 lbF



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.1, 4.2.6, 4.3.4	Arrest Distance	Class A $\leq 24"$ Class B $\leq 54"$	25.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1179.8 lbF	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	924.4 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	12.5" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	1.7 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.4 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	2.9 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.5 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	4.1 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	4.3 lbF	Pass



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.1, 4.2.6, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	24.0"	Pass
	Max Arrest Force	\leq 1800 Lbf	1141.7 lbF	Pass
	Avg Arrest Force	Class A \leq 1350 Lbf Class B \leq 900 Lbf	854.6 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	12.0" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	1.4 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	2.4 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.9 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.3 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.9 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.2 lbF	Pass



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.1, 4.2.6, 4.3.4	Arrest Distance	Class A $\leq 24"$ Class B $\leq 54"$	28.0"	Pass
	Max Arrest Force	≤ 1800 Lbf	1158.9 lbF	Pass
	Avg Arrest Force	Class A ≤ 1350 Lbf Class B ≤ 900 Lbf	944.2 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	14.0" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	1.6 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	2.9 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	2.6 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.0 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.4 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.7 lbF	Pass



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.8.1, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	26.0"	Pass
	Max Arrest Force	\leq 1800 Lbf	1305.1 lbF	Pass
	Avg Arrest Force	Class A \leq 1575 Lbf Class B \leq 1125 Lbf	961.3 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	13.0" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	1.9 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	2.1 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	2.9 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.3 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.8 lbF	Pass



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.8.2, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	32.5"	Pass
	Max Arrest Force	\leq 1800 Lbf	1398.5 lbF	Pass
	Avg Arrest Force	Class A \leq 1575 Lbf Class B \leq 1125 Lbf	1073.1 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	16.25" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	1.6 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	2.3 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	2.8 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.0 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.3 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.9 lbF	Pass



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.8.3, 4.3.4	Arrest Distance	Class A $\leq 24"$ Class B $\leq 54"$	25.5"	Pass
	Max Arrest Force	≤ 1800 Lbf	1259.3 lbF	Pass
	Avg Arrest Force	Class A ≤ 1575 Lbf Class B ≤ 1125 Lbf	891.2 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	12.75" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	1.8 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	1.8 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.5 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	4.1 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.8 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf $\leq 24"$ Extended	3.8 lbF	Pass



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.6	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.3 lbF Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.1 lbF Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.6 lbF Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.2 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.7 lbF Pass
ANSI Z359.14-2014 4.2.6	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.6 lbF Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.3 lbF Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.2 lbF Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.8 lbF Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.5 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	6.3 lbF Pass
ANSI Z359.14-2014 4.2.6	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.5 lbF Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	1.8 lbF Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.7 lbF Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.2 lbF Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.5 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.6 lbF Pass



FallTech Test Report

Test Report No.	PC-1854	Rpt. Date	5/1/2020	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7281DT	Part No. Revision	A				
Part Description	45' 3-way SRL-R. Technora Rope						
Test Request No.	PC-1854	Date Complete	4/24/2020				


Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.5	Static Strength ≥ 3,000 Lbf for ≥ 60 Seconds	3075.8 lbF	Pass
ANSI Z359.14-2014 4.2.5	Static Strength ≥ 3,000 Lbf for ≥ 60 Seconds	3055.1 lbF	Pass
ANSI Z359.14-2014 4.2.5	Static Strength ≥ 3,000 Lbf for ≥ 60 Seconds	3039.9 lbF	Pass
ANSI Z359.14-2014 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	1126.5 lbF	Pass
ANSI Z359.14-2014 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	1024.5 lbF	Pass
ANSI Z359.14-2014 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	1029.2 lbF	Pass

Conclusion

Based upon the samples provided to the Lab:
 FallTech P/N 7281DT Rev. A meets the requirements of ANSI Z359.14-2014.

Report Signatories and Approval

Lab Quality Manager		Date	5/1/2020
Witnessed by	Not Required	Date	N/A

