

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 #

C0215088

Declaration Date

2/15/2023

Tested Item #

8447

Carabiner LG Z07 3.6k 2-1/4"

Additional Items Conforming Under this Declaration:

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

ANSI Z359.12-2019

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-2721

Authorized Signature

Name

Zachary Winters

Title

Engineering Manager

Date

2/15/2023



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

FallTech Test Report

Test Report No.	PC-2721	Rpt. Date	2/13/2023	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.12 - 2019: 4.2.1, 4.2.3				
Part No.	8447	Part No. Revision	A				
Part Description	Carabiner LG Z07 3.6k 2-1/4"						
Test Request No.	PC-2721	Date Complete	2/7/2023				
Test Operator(s)	Oscar Jaramillo, Yesbet Sierra, Jay Sponholz						

Material/Sample Identification

Sample ID	Description
T1	Carabiner LG Z07 3.6k 2-1/4"
T2	Carabiner LG Z07 3.6k 2-1/4"
T3	Carabiner LG Z07 3.6k 2-1/4"
G1	Carabiner LG Z07 3.6k 2-1/4"
G2	Carabiner LG Z07 3.6k 2-1/4"
G3	Carabiner LG Z07 3.6k 2-1/4"
S1	Carabiner LG Z07 3.6k 2-1/4"
S2	Carabiner LG Z07 3.6k 2-1/4"
S3	Carabiner LG Z07 3.6k 2-1/4"
M1	Carabiner LG Z07 3.6k 2-1/4"
M2	Carabiner LG Z07 3.6k 2-1/4"
M3	Carabiner LG Z07 3.6k 2-1/4"
TL1	Carabiner LG Z07 3.6k 2-1/4"
TL2	Carabiner LG Z07 3.6k 2-1/4"
TL3	Carabiner LG Z07 3.6k 2-1/4"
DSTC1	Carabiner LG Z07 3.6k 2-1/4"
DSTC2	Carabiner LG Z07 3.6k 2-1/4"
DSTC3	Carabiner LG Z07 3.6k 2-1/4"
DSTTL1	Carabiner LG Z07 3.6k 2-1/4"
DSTTL2	Carabiner LG Z07 3.6k 2-1/4"
DSTTL3	Carabiner LG Z07 3.6k 2-1/4"

Test Summary

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.12-2019 4.2.1.1.1* 10,000 Lbs	Static Strength	≥ 10000 Lbf	10100.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	No Breaking or Distortion sufficient to release gate	Did Not Release	Pass
ANSI Z359.12-2019 4.2.1.1.1* 10,000 Lbs	Static Strength	≥ 10000 Lbf	10102.2 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	No Breaking or Distortion sufficient to release gate	Did Not Release	Pass
ANSI Z359.12-2019 4.2.1.1.1* 10,000 Lbs	Static Strength	≥ 10000 Lbf	10103.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	No Breaking or Distortion sufficient to release gate	Did Not Release	Pass

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Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.12-2019 4.2.1.1.2 Gate Face	Static Strength	≥ 3600 Lbf	3620.7 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.2 Gate Face	Static Strength	≥ 3600 Lbf	3620.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.2 Gate Face	Static Strength	≥ 3600 Lbf	3620.0 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.3 Side Load	Static Strength	≥ 3600 Lbf	3620.7 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.3 Side Load	Static Strength	≥ 3600 Lbf	3618.5 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.3 Side Load	Static Strength	≥ 3600 Lbf	3620.7 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.4 Minor Axis	Static Strength	≥ 3600 Lbf	3654.5 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.4 Minor Axis	Static Strength	≥ 3600 Lbf	3708.7 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.4 Minor Axis	Static Strength	≥ 3600 Lbf	3689.4 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass

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Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.12-2019 4.2.1.1.5 Transverse Load	Static Strength	≥ 3600 Lbf	3621.9 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.5 Transverse Load	Static Strength	≥ 3600 Lbf	3630.8 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.1.1.5 Transverse Load	Static Strength	≥ 3600 Lbf	3624.1 Lbf	Pass
	Hold	≥ 1 Minute	1 Minute	Pass
	Withstand Load	Without Gate separating from nose > .125"	< .125"	Pass
ANSI Z359.12-2019 4.2.3.3 Post Abrasion Cold Condition	Dynamic Strength (Establish Free Fall)	M.A.F 5000 - 5405 Lbf	5215.8 Lbf	8.0" Free Fall Established
	Dynamic Test	Max Arrest Force (Information only)	4918.0 Lbf.	Information
	Dynamic Test	No deformation sufficient to release Gate	Did Not Break	Pass
ANSI Z359.12-2019 4.2.3.3 Post Abrasion Cold Condition	Dynamic Strength (Establish Free Fall)	M.A.F 5000 - 5405 Lbf	5215.8 Lbf	8.0" Free Fall Established
	Dynamic Test	Max Arrest Force (Information only)	4954.7 Lbf.	Information
	Dynamic Test	No deformation sufficient to release Gate	Did Not Break	Pass
ANSI Z359.12-2019 4.2.3.3 Post Abrasion Cold Condition	Dynamic Strength (Establish Free Fall)	M.A.F 5000 - 5405 Lbf	5215.8 Lbf	8.0" Free Fall Established
	Dynamic Test	Max Arrest Force (Information only)	4980.0 Lbf.	Information
	Dynamic Test	No deformation sufficient to release Gate	Did Not Break	Pass

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Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.12-2019 4.2.3.4 Transverse Load	Dynamic Strength (Establish Free Fall)	M.A.F 3600 - 3888 Lbf	3724.2 Lbf	5.0" Free Fall Established
	Dynamic Test	Max Arrest Force (Information only)	1981.1 Lbf.	Information
	Dynamic Test	No deformation sufficient to release Gate	Did Not Break	Pass
ANSI Z359.12-2019 4.2.3.4 Transverse Load	Dynamic Strength (Establish Free Fall)	M.A.F 3600 - 3888 Lbf	3724.2 Lbf	5.0" Free Fall Established
	Dynamic Test	Max Arrest Force (Information only)	2011.7 Lbf.	Information
	Dynamic Test	No deformation sufficient to release Gate	Did Not Break	Pass
ANSI Z359.12-2019 4.2.3.4 Transverse Load	Dynamic Strength (Establish Free Fall)	M.A.F 3600 - 3888 Lbf	3724.2 Lbf	5.0" Free Fall Established
	Dynamic Test	Max Arrest Force (Information only)	2129.4 Lbf.	Information
	Dynamic Test	No deformation sufficient to release Gate	Did Not Break	Pass

Conclusion

FallTech P/N 8447 Rev. A meets the requirements of ANSI Z359.12-2019

Report Signatories and Approval

Lab Quality Manager		Date	2/13/2023
Witnessed by	Not Required	Date	N/A