

Declaration of Conformity

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

Declaration #: DOC-UFG611010

Declaration Date: 7/30/2019

Item #: UFG611010

Description: KStrong® 3 ft. Self-tracking Non-captive Openable Shock Absorbing Rope Grab Assembly with Anti-Panic Feature (ANSI)

Brand Name: KStrong

Manufacturer: KStrong

Address: 18505 Intercontinental Crossing, Houston, TX 77073

**Additional Items Conforming
Under this Declaration (If Applicable):**

KStrong declares that the product(s) listed above is in conformity with the requirements of the following performance standard(s):

ANSI Z359.1-2007

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



Level 1:

KStrong Lab Outside the Scope of ISO/IEC Standard 17025:2017



Level 2:

KStrong Lab Within the Scope of ISO/IEC Standard 17025:2017



Level 3:

Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2017

Supporting Documentation: KS-Test-UFG611010.pdf

This Certificate is a guarantee that the above standard(s) was met by the requirements of such standard. Testing was performed under normal operation mode. The results of testing apply only to the particular sample tested and the specific test carried out. This Certificate is only issued for products which have passed the testing requirements of listed standard(s).

Authorized Signature:



Chad McBride
Chief Operating Officer - KStrong

ISO 17025 Accredited Test Laboratory

intertek
Total Quality. Assured.



Intertek Testing Services NA, Inc.
3933 US Rt. 11
Cortland, NY 13045
Tel: 1 607-753-6711
www.intertek.com

Test Verification of Conformity

On the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out.

Applicant Name & Address : **KSTRONG LLC**
17330 Preston Rd. #200D
Dallas, TX 7525

Report Number : **104217625CRT-001**

Product(s) Tested : **Fall Arrester w/ Rope Lifeline**

Model(s) : **UFG611010 + FG601010**

Relevant Standard(s)/Specification(s) : **ANSI Z359.1 - 2007**

Verification Issuing Office Name & Address : **Intertek Testing Service NA Inc.**
3933 US Route 11
Cortland NY 13045

Date of Test(s) : **7/22/19**

Verification/Report Number(s) : **104030397CRT-001**

NOTE : This verification is part of the full test report(s) and should be read in conjunction with it.

This Verification is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to copy or distribute this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this Verification are relevant only to the sample tested. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



Name: Matthew Stevens
Position: Associate Engineer
Date: 4/16/20

KSTRONG LLC TEST REPORT

SCOPE OF WORK

ANSI Z359.1-2007 / Section 4.4: Fall Arrester Connecting Subsystem Qualification Testing

REPORT NUMBER

104030397CRT-001

ISSUE DATE

July 30, 2019

PAGES

6

DOCUMENT CONTROL NUMBER

GFT-OP-10a (6-March-2017)

© 2017 INTERTEK





Total Quality. Assured.

KSTRONG LLC

Report No.: 104030397CRT-001

Date: July 30, 2019

3933 US Rt. 11
Cortland, NY 13045

Telephone: 1 607-753-6711
www.intertek.com

KSTRONG LLC

17330 Preston Road #200 D

Dallas, TX 7525

Report Number..... 104030397CRT-001

Signed Quote Number..... Qu-00999026-0

PO Number. : NONE

Name of Testing Laboratory

Intertek Testing Services NA Inc.

Preparing the Report

Test Specification:

Standard..... ANSI/ASSE Z359.1-2007

Date(s) of Testing..... 7/22/19

Product Description:

Product Type: Fall Arrester W/ Rope

Brand Name: KStrong

Model Number(s): UFG611010 + FG601010

Date(s) Samples Received 7/18/19

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Date: July 30, 2019

SECTION 1



SUMMARY OF TESTING

TESTS COMPLETED	ANSI/ASSE Z359.1-2007 CLAUSE	STATUS
Design Requirements	3	PASS
Dynamic Performance Test	4.4.1	PASS
Dynamic Strength Test	4.4.2	PASS
Tensile Strength Following 4.4.2	3.3.6.2	PASS
Markings and Instructions	5	PASS

SECTION 2

CONCLUSION

This test report concludes the work anticipated in the testing phase of your project. If there are any questions regarding this report, please contact the undersigned at 607-753-6711.

COMPLETED BY:	Matthew Stevens	REVIEWED BY:	Andrew Rulison
TITLE:	Technician	TITLE:	Engineering Supervisor
SIGNATURE:		SIGNATURE:	
DATE:	7/24/19	DATE:	7/24/19

Please see attached test data for details.

SECTION 3

TESTING EQUIPMENT CALIBRATION INFORMATION

USED FOR TEST	DESCRIPTION	MANUFACTURER	CONTROL NO.	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE
X	Drop Test Structure	Intertek	NA	CAT. 3	-	N/A	N/A
X	Test Weight	NA	15064	220 lbs	-	VBU	VBU
X	Test Weight	NA	N	300 lbs	-	VBU	VBU
X	Load Cell	PCB	N1392	-	-	6/17/19	6/17/20
-	Load Cell	PCB	L099	-	-	1/31/19	1/31/20

SECTION 4

SUPPLEMENTAL TEST DATA

Paragraph	Test Description	Results	Compliance
3	Design Requirements:		PASS
	1. Used only if attached to an anchor or anchorage with anchorage connector which complies with ANSI Z359.1.	YES	
	2. Max Arresting Force Under 1,800 lbs.?	YES	
	3. Fall Arrested Completely in not more than 42"?	YES	
	4. Angle at rest not more than 30° after drop?	N/A	
	5. Does product have ANSI Z359.1 markings?	YES	
	6. Connectors meet section 3.2.1?	YES	
	7. Locking system automatic?	YES	
	8. Direction for orientation of use?	YES	
	9. Incapable of creeping down lifeline during work operations?	YES	
10. All parts show no signs of corrosion and remain functional after ASTM B117 48 hour salt fog spray?	YES		
4.4.1	Dynamic Performance Test: 1. Position fall arrester within 24-inches from the anchorage. 2. Use 220 lb weight. 3. Raise the weight to achieve maximum freefall distance that can be obtained by the system. Requirements per Section 3.3.6.1 (fig 26): AD < 54-inches MAF < 1,800 lbf	Sample #:1 Max. Distance = 6' MAF = 1078 lbf. Arrest Distance (AD): 22 ½" Shall lock and remained locked until released: YES	PASS

Paragraph	Test Description	Results	Compliance
4.4.2/3.3.6.2	<p><u>Dynamic Strength Test:</u></p> <ol style="list-style-type: none"> 1. Do not use EA on the Fall Arrester. 2. Attach FA 10-inches from anchorage. 3. Use 300 lb. test weight. 4. Use 3-foot test lanyard. 5. Raise test weight to create maximum freefall distance allowed by the device. 	<p>Sample #: 2</p> <p>Drop Height: 3'</p> <p>Breakage: NO</p> <p>Shall lock on the lifeline and remained locked: YES</p> <p>Lifeline shall remain a min. strength of 1,000 lbs. (Tensile strength on lifeline)</p>	<p>PASS</p>
<p>5</p> <p>5.1.1</p> <p>5.1.3</p> <p>5.2.6</p>	<p><u>Marking and Instructions- General Marking Requirements</u></p> <p>Markings shall be in English</p> <p>Equipment shall be marked with the following:</p> <ul style="list-style-type: none"> • Part number and model designation • Year of manufacture • Manufacture name or logo • Capacity rating • Standard number "Z359.1" • Warning to follow the manufacturer's instructions included with equipment. <p>In addition to section 5.1 fall arrestors should be marked with the following information:</p> <ul style="list-style-type: none"> • Direction of use • Warnings against use with incompatible lifelines • The proper size and type of vertical lifeline with which the fall arrestor is intended to be used. 	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	<p>PASS</p>

Date: July 30, 2019

SECTION 5

REVISION HISTORY

REPORT NUMBER	DATE OF REVISION	DESCRIPTION OF CHANGE:	PROJECT OWNER	REVIEWED BY
104026157CRT-001	7/24/19	Original Report	Matthew Stevens	Andrew Rulison