

Declaration of Conformity

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

Declaration #: DOC-UFG611020

Declaration Date: 05/21/2021

Item #: UFG611020

Description: KStrong® 3 ft. Manual Shock Absorbing Rope Grab Assembly (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-UFG611020.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 Inc.
150 N Radnor Chester Rd
Suite F200
Radnor, PA 19087
USA

Report Number : 104679921CRT-006

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

Model(s) : UFG611020 /
UFR100XXX where XXX is the length of lifeline

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) : 9/9/19 – 9/10/19

Verification/Report Number(s) : 104085048CRT-001

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

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A handwritten signature in blue ink, appearing to read "Matthew Stevens".

Name: Matthew Stevens
Position: Team Leader
Date: 5/24/21

KSTRONG INC

TEST REPORT

SCOPE OF WORK

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

REPORT NUMBER

104679921CRT-003

ORIGINAL REPORT NUMBER

104085048CRT-001

ISSUE DATE

May 21st 2021

PAGES

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KSTRONG INC

Report No.: 104679921CRT-003

Date: May 21st 2021

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Cortland, NY 13045

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

KStrong Inc.
150 N. Radnor Chester Rd.
Suite F200
Radnor, PA 19087
USA

Report Number..... : 104679921CRT-003

Signed Quote Number..... : Qu-01171358

PO Number. : None

Name of Testing Laboratory
Preparing the Report : Intertek Testing Services NA Inc.

Test Specification:

Standard..... : ANSI/ASSP Z359.1-2007

Date(s) of Testing..... : 9/9/19 – 9/10/19

Product Description:

Product Type: : Fall Arrester W/ Rope

Brand Name: : KStrong

Model Number(s): : UFG611020
UFR100XXX where XXX is the length of lifeline

Date(s) Samples Received : 8/30/19

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Date: May 21st 2021

SECTION 1

SUMMARY OF TESTING

TESTS COMPLETED	ANSI/ASSP Z359.1-2007 CLAUSE	STATUS
Design Requirements 104085048CRT-001 Data	3	PASS
Dynamic Performance Test 104085048CRT-001 Data	4.4.1	PASS
Dynamic Strength Test 104085048CRT-001 Data	4.4.2	PASS
Tensile Strength Following 4.4.2 104085048CRT-001 Data	3.3.6.2	PASS
Markings and Instructions 104085048CRT-001 Data	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:	Theodore Brown	REVIEWED BY:	Matthew Stevens
TITLE:	Technician	TITLE:	Team Leader
SIGNATURE:		SIGNATURE:	
DATE:	5/21/21	DATE:	5/21/21

Please see attached test data for details.

Date: May 21st 2021

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	<p>Dynamic Performance Test:</p> <p>1. Position fall arrester within 24-inches from the anchorage.</p> <p>2. Use 220 lb weight.</p> <p>3. Raise the weight to achieve maximum freefall distance that can be obtained by the system.</p> <p>Requirements per Section 3.3.6.1 (fig 26): AD < 54-inches MAF < 1,800 lbf</p>	<p>Sample #:1</p> <p>Max. Distance = 6' MAF = 1050 lbf.</p> <p>Arrest Distance (AD): 48 ½ "</p> <p>Shall lock and remained locked until released: YES</p>	PASS

TEST REPORT FOR KSTRONG INC

Report No.: 104679921CRT-003

Date: May 21st 2021

Paragraph	Test Description	Results	Compliance
4.4.1	<p><u>Dynamic Performance Test:</u></p> <ol style="list-style-type: none"> 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. <p>Requirements per Section 3.3.6.1 (fig 26): AD < 54-inches MAF < 1,800 lbf</p>	<p>Sample #:2</p> <p>Max. Distance = 6' MAF = 1011 lbf.</p> <p>Arrest Distance (AD): 49 "</p> <p>Shall lock and remained locked until released: YES</p>	<p>PASS</p>
4.4.1	<p><u>Dynamic Performance Test:</u></p> <ol style="list-style-type: none"> 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. <p>Requirements per Section 3.3.6.1 (fig 26): AD < 54-inches MAF < 1,800 lbf</p>	<p>Sample #:3</p> <p>Max. Distance = 6' MAF = 1037 lbf.</p> <p>Arrest Distance (AD): 49 ½ "</p> <p>Shall lock and remained locked until released: YES</p>	<p>PASS</p>
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 #: 1</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>

TEST REPORT FOR KSTRONG INC

Report No.: 104679921CRT-003

Date: May 21st 2021

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>	PASS
4.4.2/3.3.6.2	<p><u>Dynamic Strength Test:</u></p> <ol style="list-style-type: none"> 6. Do not use EA on the Fall Arrester. 7. Attach FA 10-inches from anchorage. 8. Use 300 lb. test weight. 9. Use 3-foot test lanyard. 10. Raise test weight to create maximum freefall distance allowed by the device. 	<p>Sample #: 3</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>	PASS
<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>	PASS