

## Declaration of Conformity

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

Declaration #: DOC-UFS350025

Declaration Date: 03/27/2023

Item #: UFS350025

**Description:** KStrong® BRUTE™ 25 ft. Web SRL with swivel snap hook. Includes installation carabiner and tagline (ANSI)

**Brand Name:** KStrong

**Manufacturer:** KStrong

**Address:** 150 N. Radnor Chester Road, Suite F200, Radnor, PA 19087

**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 Z359.14-2021 Class 1

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-UFS350025.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:



John H. Kemp Jr.  
President - 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

Accrediting Agency



A2LA  
5202 Presidents Court, Ste 220  
Frederick, MD 21703  
Tel: 301.644.3248  
info@A2LA.org

# Test Verification of Conformity

Verification Number: 105376372CRT-006

On the basis of the referenced test report(s), sample(s) of the below product have been found to comply with the harmonized standards and Directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it(them).

Applicant Name & Address: KStrong INC  
150 N. Radnor Chester Rd.  
Suite F200  
Radnor, PA 19087  
USA

Product Description: Self-Retracting Device

Models/Type References: UFS350011, UFS350025, UFS354011

Brand Name: KStrong

Relevant Standards: ANSI/ASSP Z359.14-2021

Verification Issuing Office Name & Address: Intertek Testing Services NA, Inc.  
3933 US Rt-11  
Cortland, NY 13045  
USA

Date of Tests: 3/14/22-3/22/22

Test Report Number(s): 105376372CRT-005

**Signature:**



**Name:**

**Matthew Stevens**

**Position:**

**Team Leader**

**Date:**

**03/27/2023**



# KSTRONG INC

## TEST REPORT

**SCOPE OF WORKS**

ANSI/ASSP Z359.14-2021 – SELF RETRACTING DEVICES

**REPORT NUMBER**

105376372CRT-005

**ORIGINAL REPORT NUMBER**

104972760CRT-001

**ISSUE DATE**

March 27, 2023

**PAGES**

8

**DOCUMENT CONTROL NUMBER**

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

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Address  
3933 US rt. 11 Cortland, NY  
13045

### TEST REPORT FOR KSTRONG INC

Report No.: 105376372CRT-005  
Date: March 27, 2023

Telephone: 607-758-6246  
www.intertek.com

KSTRONG Inc. 150 N. Radnor Chester RD. Suite F200 Radnor, PA 19087 USA	
<b>Report Number</b> .....	105376372CRT-005
<b>Signed Quote Number</b> .....	Qu-01339713-2
<b>PO Number</b> .....	N/A
<b>Name of Testing Laboratory Preparing the Report</b> .....	
	Intertek Testing Services NA Inc.
<b>Test Specification:</b>	
<b>Standard</b> .....	ANSI/ASSP Z359.14-2021
<b>Date(s) of Testing</b> .....	3/14/22-3/22/22
<b>Product Description:</b>	
<b>Product Type</b> .....	Self-Retracting Device
<b>Brand Name</b> .....	KStrong
<b>Model Number(s)</b> .....	UFS350011, UFS350025, UFS354011
<b>Model Share</b> .....	N/A
<b>Dates Samples Received:</b>	3/4/2022

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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.

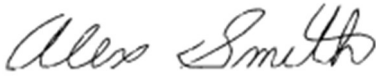

Date: March 27, 2023

**SECTION 1**  
**SUMMARY OF TESTING**

TESTS COMPLETED	TEST DATE	ANSI/ASSP Z359.14-2021 CLAUSE	STATUS
General Requirements	3/14/22	3.1	PASS
Markings and instructions/User inspection, Maintenance	3/14/22	5.1, 5.2/6	PASS
Line Constituent of Self Retracting Devices (Webbing or Wire Rope) *Supply Line only – 5' Sections terminated on both ends*	3/21/22	3.1.6/7. 1, 7. 2, or 7. 3	PASS
Static Strength Testing of SRD's	3/21/22	3.2.1/4.2.1	PASS
Dynamic Performance (ambient)	3/21/22	3.3/4.3.1	PASS
Energy Capacity (Rotary Break Only)	3/22/22	4.4	PASS

**SECTION 2**

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.

<b>COMPLETED BY:</b>	Alex Smith	<b>REVIEWED BY:</b>	Matthew Stevens
<b>TITLE:</b>	Technician	<b>TITLE:</b>	Team Leader
<b>SIGNATURE:</b>		<b>SIGNATURE</b>	
<b>DATE</b>	3/24/2023	<b>DATE:</b>	3/27/2023

Please see attached test data for details.

Date: March 27, 2023

**SECTION 3**

**TESTING EQUIPMENT CALIBRATION INFORMATION**

USED FOR TEST	DESCRIPTION	MANUFACTURER	CONTROL NO.	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE
X	Test Weight	NA	NA	310 lbs	-	VBU	VBU
X	Load Cell	PCB	N1392	-	-	7/22/21	7/22/22
X	Tape Measure	Stanley	H339	25'	-	5/10/21	5/10/22
X	Load Cell	Interface	L099	-	-	5/10/21	5/10/22

**SECTION 4**

Section (Test)	Requirement	Results	Compliance																																																																																																													
3	"Marking and Instructions"																																																																																																															
5.1.1	Shall be in English		PASS																																																																																																													
5.1.3	Self-Retracting Devices shall be marked with the following:		PASS																																																																																																													
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5.2.1	Instructions shall be in English, and affixed to the equipment at time of shipment from the manufacturer		PASS																																																																																																													

Section (Test)	Requirement	Results				Compliance
5.2.2	Instructions shall contain the following information:					PASS
	Instructions	Comments	YES	NO	NA	
	A statement that the manufacturer's instructions shall be provided to the users		X			
	Manufacturers name, address, and telephone number		X			
	Manufacturer's part number and model designation for the equipment		X			
	Intended use and purpose of the equipment		X			
	Proper method of use and limitations on use of the equipment		X			
	Illustrations showing locations of markings on the equipment		X			
	Reproduction of printed information on all markings		X			
	Inspection procedures required to assure the equipment is in serviceable condition and operating correctly		X			
	Anchorage requirements		X			
	Criteria for discarding equipment which fails inspection		X			
	Procedures for cleaning, maintenance, and storage		X			
	Reference to Z359 standards		X			
	Proper installation means and limitations on the type of anchorage connectors used		X			
	The fiber or other materials used in the lanyard construction		X			
	The lanyard length		X			
The average arresting force when dynamically tested in accordance with the requirements of the standard		X				
SRD class and arrest distance when dynamically tested in accordance with the requirements of the standard		X				
How to determine fall clearance		X				
Testing the device for locking before each use		X				
5.2.3	Instructions shall require that only the equipment manufacturer, or persons or entities authorized in writing by the manufacturer, shall make repairs to the equipment					PASS
5.2.4	Instructions shall require the user to remove equipment from service if it has been subjected to the forces of arresting a fall or affecting a rescue					PASS
5.2.5	Instructions shall require the user to have a written rescue plan and the means at hand to implement it when using the equipment					PASS

Section (Test)	Requirement	Results	Compliance			
5.2.6	Instructions shall provide warnings regarding:		PASS			
	Warnings	Comments		YES	NO	NA
	Altering the equipment			X		
	Misusing the equipment			X		
	Using combinations of components or sub-systems, or both, which may affect or interfere with the safe function of each other			X		
	Exposing the equipment to chemicals, high heat, severe cold, or other harsh environments which may produce a harmful effect and to consult the manufacturer in case of doubt			X		
	Using the equipment around moving machinery and electrical hazards			X		
	Using the equipment near sharp edges or abrasive surfaces			X		
	Risk of striking an object or obstruction during a swing fall			X		
	That the consequences of improperly using the device, not following instructions or markings may cause serious injury or death			X		

**SUPPLEMENTAL TEST DATA**

Section (Test)	Requirement	Results	Compliance												
3.2.1/4.2.1	<p><b>Line Constituent of Self Retracting Devices :</b></p> <p>(Webbing or Wire Rope) *Supply Line only – 5’ Sections terminated on both ends*</p>	<table border="1"> <thead> <tr> <th>Sample ID</th> <th>1</th> <th>2</th> <th>3</th> </tr> </thead> <tbody> <tr> <td>Class 1/2</td> <td>Class 1</td> <td>Class 1</td> <td>Class 1</td> </tr> <tr> <td>Broke At</td> <td>4950 lbf.</td> <td>4910 lbf.</td> <td>4865 lbf.</td> </tr> </tbody> </table>	Sample ID	1	2	3	Class 1/2	Class 1	Class 1	Class 1	Broke At	4950 lbf.	4910 lbf.	4865 lbf.	PASS
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Section (Test)	Requirement	Results	Compliance																																												
3.2.1/4.2.1	<p><b>Static Strength:</b> (ambient) shall withstand 3,000 lbs. when tested to:                      - apply a 3,000 lbs ,(+60/-0 lbs) load and maintain for 1-minute to the point of SRL line connection to the SRL drum (across the device)</p>	<table border="1"> <thead> <tr> <th></th> <th>Sample: 1</th> <th>Sample: 2</th> <th>Sample: 3</th> </tr> </thead> <tbody> <tr> <td>Withstand load</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> </tbody> </table>		Sample: 1	Sample: 2	Sample: 3	Withstand load	YES	YES	YES	PASS																																				
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Withstand load	YES	YES	YES																																												
3.3/4.3.1	<p><b>Dynamic Performance: "AMBIENT"</b></p> <ol style="list-style-type: none"> <li>connect 310 lb. weight</li> <li>extract enough line for a 36-inch free fall per Fig 5 in Test Standard.</li> <li>release the test weight</li> <li>Max Arrest distance shall not exceed 42 inches.</li> </ol>	<table border="1"> <thead> <tr> <th></th> <th>Sample: 4</th> <th>Sample: 5</th> <th>Sample: 6</th> </tr> </thead> <tbody> <tr> <td>Conditioning in:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SN or ID:</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>Payout and retract the line per 3.3.1.2 following test</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Lock function shall operate per 3.3.1.1</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Visual indicator shall activate</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>Max. Arrest Force: (lbs.) Class A &amp; B &lt; 1,800 lbs.</td> <td>725</td> <td>825</td> <td>864</td> </tr> <tr> <td>Avg Arrest Force (lbs.): Class A &lt;1,350 lbs. Class B &lt; 900 lbs.</td> <td>643</td> <td>669</td> <td>674</td> </tr> <tr> <td>Distance Initial (in): D1</td> <td>54"</td> <td>54"</td> <td>54"</td> </tr> <tr> <td>Distance Final (in): D2</td> <td>78"</td> <td>76 ½"</td> <td>71 ¼"</td> </tr> <tr> <td>Arrest Distance (in): D2-D1 &lt; 42 Inches</td> <td>24"</td> <td>22 ½"</td> <td>17 ¼"</td> </tr> </tbody> </table>		Sample: 4	Sample: 5	Sample: 6	Conditioning in:				SN or ID:	4	5	6	Payout and retract the line per 3.3.1.2 following test	YES	YES	YES	Lock function shall operate per 3.3.1.1	YES	YES	YES	Visual indicator shall activate	YES	YES	YES	Max. Arrest Force: (lbs.) Class A & B < 1,800 lbs.	725	825	864	Avg Arrest Force (lbs.): Class A <1,350 lbs. Class B < 900 lbs.	643	669	674	Distance Initial (in): D1	54"	54"	54"	Distance Final (in): D2	78"	76 ½"	71 ¼"	Arrest Distance (in): D2-D1 < 42 Inches	24"	22 ½"	17 ¼"	PASS
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Date: March 27, 2023

Section (Test)	Requirement	Results	Compliance												
3.3/4.3.1	<p><b>Energy Capacity (Rotary Brake Only) "AMBIENT"</b></p> <ol style="list-style-type: none"> <li>Shorten the line so that retractable length is 42 inches.</li> <li>connect 310 lb. weight</li> <li>Hoist the weight so that 36 inches is extended from the nozzle.</li> <li>Clamp off 36-inch point so it cannot retract.</li> <li>Raise the weight so that there is a 24-inch free fall</li> <li>release the test weight</li> <li>Max Arrest distance shall not exceed 42 inches.</li> </ol>	<table border="1"> <thead> <tr> <th></th> <th>Sample: 4</th> <th>Sample: 5</th> <th>Sample: 6</th> </tr> </thead> <tbody> <tr> <td>Max. Arrest Force: (lbs.) Class A &amp; B &lt; 1,800 lbs.</td> <td>1133</td> <td>1157</td> <td>1318</td> </tr> <tr> <td>Avg Arrest Force (lbs.): Class A &lt;1,350 lbs. Class B &lt; 900 lbs.</td> <td>880</td> <td>820</td> <td>857</td> </tr> </tbody> </table>		Sample: 4	Sample: 5	Sample: 6	Max. Arrest Force: (lbs.) Class A & B < 1,800 lbs.	1133	1157	1318	Avg Arrest Force (lbs.): Class A <1,350 lbs. Class B < 900 lbs.	880	820	857	PASS
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**SECTION 5  
REVISION HISTORY**

REPORT NUMBER	DATE OF REVISION	DESCRIPTION OF CHANGE:	PROJECT OWNER	REVIEWED BY
104972760CRT-001	3/22/22	Original Report	Steve Morey	Matthew Stevens
105376372CRT-005	3/27/23	Report Extension	Alex Smith	Matthew Stevens