

Declaration of Conformity

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

Declaration #: DOC-UFS314006L **Declaration Date:** 03/27/2023

Item #: UFS314006L

Description: KStrong® BRUTE™ Backer™LE 8.5 ft. Cable SRL with rebar hook at anchorage

end, other end dorsal connector shock pack assembly (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 2

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-UFS314006L.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 Testing Services NA, Inc. 3933 US Rt. 11 Cortland, NY 13045 Tel: 1 607-753-6711

www.intertek.com



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

Accrediting Agency



Test Verification of Conformity

Verification Number: 105376372CRT-008

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: UFS310206L, UFS310206LD, UFS314006LD, UFS314006LD, UFS316106LD,

UFS319006L, UFS319006LD

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

LICA

Date of Tests: 8/17/22 – 11/15/22

Test Report Number(s): 105376372CRT-007

Signature:

Name: Matthew Stevens
Position: Team Leader
Date: 03/27/2023





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 permit copying or distribution of 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/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



KSTRONG INC TEST REPORT

SCOPE OF WORKs

ANSI/ASSP Z359.14-2021 - SELF RETRACTING DEVICES [LEADING EDGE CAPABILITY]

REPORT NUMBER

105376372CRT-007

ORIGINAL REPORT NUMBER

105113592CRT-002

ISSUE DATE

3/27/23

PAGES

8

DOCUMENT CONTROL NUMBER

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





Report No.: 105376372CRT-007

Date: March 27, 2023

Address 3933 US rt. 11 Cortland, NY 13045

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

KSTRONG Inc. 150 N. Radnor Chester RD. Suite F200 Radnor, PA 19087 USA

Report Number..... 105376372CRT-007

Signed Quote Number...... Qu-01339713-1

PO Number.....: N/A

Preparing the Report Intertek Testing Services NA Inc.

Test Specification:

Standard...... ANSI/ASSP Z359.14-2021

Date(s) of Testing...... 8/17/2022-11/15/2022

Product Description: Self-Retracting Device

Product Type: Leading Edge (Class 2)

Brand Name: KStrong

Additional Models Covered:..... N/A

Date(s) Samples Received 8/10/2022-10/26/22

Date: March 27, 2023

SECTION 1

SUMMARY OF TESTING

VERIFICATION TESTS COMPLETED	ANSI/ASSP Z359.14-2021 CLAUSE	DATE TESTED	STATUS
General Requirements	3.1	8/17/2022	PASS
Static Strength	4.2.1	8/19/2022	PASS
Dynamic Performance Testing of SRD (Ambient)	4.3.3	8/17/2022	PASS
Static Strength, For Dual SRL-P's	4.6.1	11/14/2022	PASS
SRL-P Dual Connection	4.6.2	11/14/2022	PASS
SRL-P Wrap Around Static Strength (Includes 4.1.8 Abrasion)	4.6.3	11/10/2022	PASS
Markings and Instructions	5.1, 5.2	8/18/2022	PASS
Design-Function	4.3.4.1	8/18/2022	PASS
User Inspection, Maintenance and Storage of Equipment	6.0	8/18/2022	PASS

Report No.: 105376372CRT-007

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.

COMPLETED BY:	Alex Smith	REVIEWED BY:	Matthew Stevens
TITLE:	Technician	TITLE:	Team Leader
SIGNATURE:	alles Smith	SIGNATURE	2/27/22
DATE	3/24/23	DATE:	3/27/23

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	Leading Edge Bar	Intertek	G147	CAT 3	-	•	e Use 3U
X	Load Cell	Interface	G138	-	-	5/28/22	5/28/23
X	Load Cell	Interface	L137	-	-	5/25/22	5/25/23
X	Tape Measure	Stanley	N1407	-	_	2/16/22	2/16/23

Report No.: 105376372CRT-007

SECTION 4

SUPPLEMENTAL TEST DATA

SECTION (TEST)	REQUIREMENT	RI	COMPLIANCE		
	DYNAMIC PERFORMANCE: "Ambient" 1. Connect 310 lb. weight 2. Drop test weight from a level 5 fe 3. Allow weight to swing unrestraine 4. Record the maximum and averag 5. Line must retain 1,000 lb. static lo	ed for a period of no e arresting forces	ot less than 10	seconds	
	SRL LINE ORIENTATION: PERPENDICU	JLAR 3AMPLE.	2	3	
	Lock function shall operate per 3.1.2	YES	YES	YES	
	Visual indicator shall activate	YES	YES	YES	
	Max. Arrest Force: (lbs.) < 1,800 lbs.	1143	1153	1222	
	Avg Arrest Force (lbs.): < 1,575 lbs.	795	845	816	
	Arrest Distance (in):	154 ½	151 ¾	153 ¾	
4.3.1.7	Retain a minimum of 1,000 lbs of resi tensile strength following the test	dual YES	YES	YES	PASS
	SRL LINE ORIENTATION: 5' OFFSE	SAMPLE:	SAMPLE: 5	SAMPLE:	
	Lock function shall operate per 3.1.2	YES	YES	YES	
	Visual indicator shall activate	YES	YES	YES	
	Max. Arrest Force: (lbs.) < 1,800 lbs.	1108	1204	1125	
	Avg Arrest Force (lbs.): < 1,575 lbs.	839	842	893	
	Arrest Distance (in):	150 ¼	149 ¾	148 ¾	
	Retain a minimum of 1,000 lbs of restensile strength following the test	sidual YES	YES	YES	

Date: March 27, 2023

SECTION (TEST)	REQUIREMENT		RESULTS				
3.2.1/4.2. 1	Static Strength: (ambient) shall withstand 3,000 lbs. when tested to: - apply a 3,000 lbs ,(+60/-0 lbs) load and maintain for 1-minute	Withstand load	Sample: 1 YES	Sample: 2 YES	Sample: 3 YES	PASS	
	to the point of SRL line connection to the SRL drum (across the device)						
			Sample:	Sample: 2	Sample:		
3.6.1/4.6.	Static Strength Testing of SRL-P (Multiple Orientations for Twin Units): (ambient) shall withstand	Withstand load	YES	YES	YES	PASS	
_	3,600 lbs.						
			Sample:	Sample: 5	Sample:		
3.6.2/4.6. 2	SRL-P Dual Connection: Raise 24 inches drop: Record MAF	Mass Force	834	817	881	PASS	
2		Sample Break?	NO	NO	NO		
			Sample: 1	Sample: 2	Sample:		
3.6.3/4.6.	SRL-P Wrap Around Static Strength (Includes 4.1.8 Abrasion): (ambient) shall	Withstand Abrasion 2500 cycles?	YES	YES	YES	PASS	
3							
3	withstand 3,600 lbs. when tested	Withstand load	YES	YES	YES		

Report No.: 105376372CRT-007

Date: March 27, 2023

Section	Requirement		Results					Compliance
(Test)	Requirement		Results					Compliance
3	"Marking and Instructions"							
5.1.1								PASS
5.1.3	Shall be in English Self-Retracting Devices shall be marked with the	no following.						PASS
3.1.3	Marking Part number and model designation Year of manufacture Manufacturer's name or logo Capacity Range	Comments		YES X X X X	NO	NA		
	Unique ID Number			Х				
	Standard Number (Z359.14)			Х				
	How to inspect the visual indicator			Х				
	Warning to follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer			х				
	Warning of the need for inspection in accordance with the manufacturer's instructions The fiber or other materials used in the			х				
	lanyard construction			Х				PASS
	The lanyard working length			Х				
	Average arresting force for the SRD class			Х				
	Arresting distance			Х				
	Proper installation means			Х				
	Warning on the need for testing the device for locking and retraction before each use			х				
	SRD class and arrest distance			Х				
	Warning of the need to avoid lanyard contact with sharp edges and abrasive surfaces (not required for LE devices)			х				
	Free fall limit			Х				
	Suitability for use with horizontal lifelines					Х		
	Suitability for horizontal use					Х		
	Suitability for Leading Edge capability					х		
5.2.1								
	Instructions shall be in English, and affixed to t equipment at time of shipment from the manu							PASS

Report No.: 105376372CRT-007

Date: March 27, 2023

Section	Powissesses		Results				Committee
(Test)	Requirement						Compliance
5.2.2							
	Instructions shall contain the following informs				1 -		
	Instructions	Commen	ts	YES	NO	NA	
	A statement that the manufacturer's			X			
	instructions shall be provided to the users				-		
	Manufacturers name, address, and			X			
	telephone number				-		
	Manufacturer's part number and model			X			
	designation for the equipment				-	+	
	Intended use and purpose of the			X			
	equipment 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			x			
	markings						
	Inspection procedures required to assure						
	the equipment is in serviceable condition			X			
	and operating correctly						PASS
	Anchorage requirements			X			
	Criteria for discarding equipment which			X			
	fails inspection				-		
	Procedures for cleaning. maintenance, and			X			
	storage				-		
	Reference to Z359 standards			X	+		
	Proper installation means and limitations			X			
	on the type of anchorage connectors used The fiber or other materials used in the				+		
	lanyard construction			X			
	The lanyard length			Х	+		
	The average arresting force when			^	+		
	dynamically tested in accordance with the			X			
	requirements of the standard			^			
	SRD class and arrest distance when						
	dynamically tested in accordance with the			X			
	requirements of the standard			"			
	How to determine fall clearance			Х			
	Testing the device for locking before each						
	use			X			
.2.3	Instructions shall require that only the equipm	nent		l l	1		PASS
	manufacturer, or persons or entities authorize						
	writing by the manufacturer, shall make repair						
	equipment						
.2.4	Instructions shall require the user to remove						PASS
	equipment from service if it has been subjecte	ed to the					
	forces of arresting a fall or affecting a rescue						
.2.5	Instructions shall require the user to have a wr	ritten					PASS
	rescue plan and the means at hand to impleme						
	when using the equipment						

Report No.: 105376372CRT-007

Date: March 27, 2023

Warnings	Comments	YES	NO	NA	
Altering the equipment		X			
Misusing the equipment		Х			
Using combinations of components or sub- systems, or both, which may affect or interfere with the safe function of each other		Х			
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		х			PASS
Using the equipment around moving machinery and electrical hazards		Х			
Using the equipment near sharp edges or abrasive surfaces		Х			
Risk of striking an object or obstruction during a swing fall		Х			
That the consequences of improperly using the device, not following instructions or markings may cause serious injury or death		Х			
the device, not following instructions or		X			

Report No.: 105376372CRT-007

SECTION 5

REVISION HISTORY

REPORT NUMBER	DATE OF REVISION	DESCRIPTION OF CHANGE:	PROJECT OWNER	REVIEWED BY
105113592CRT-002	11/18/2022	Original Report	Steven Morey	Matthew Stevens
105376372CRT-007	3/27/2023	Report Extension	Alex Smith	Matthew Stevens