

Additional Items Conforming Under this Declaration (If Applicable):

Declaration of Conformity

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

Item #: UFS310206LD

Declaration #: DOC-UFS310206LD Declaration Date: 03/27/2023

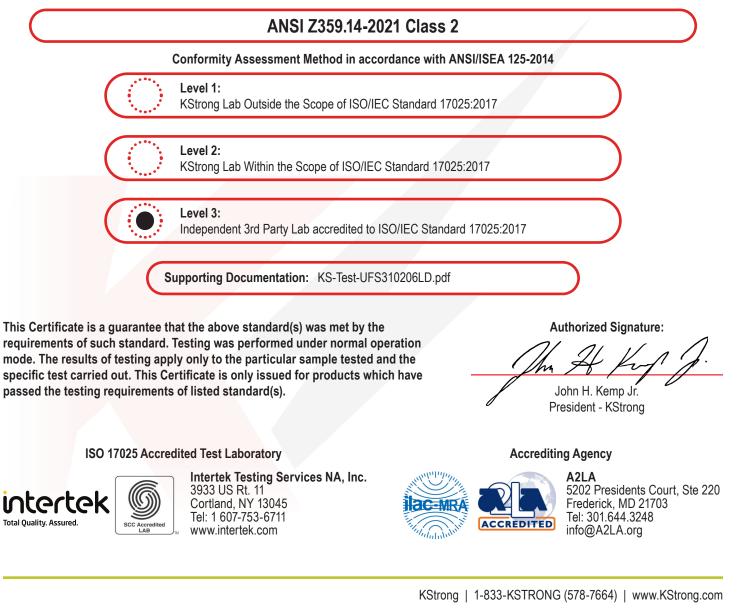
Description: KStrong® BRUTE[™] Backer[™] LE Dual 8.5 ft. Cable SRL with swivel snap hooks at anchorage end, other end dorsal connector shock pack assembly (ANSI)

Brand Name: KStrong

Manufacturer: KStrong

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

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





Test Verification of Conformity

Verification Number: 105376372CRT-008

Position:	Team Leader
Name:	Matthew Stevens SCC Accredited ACCREDITED
Signature:	
Test Report Number(s):	105376372CRT-007
Date of Tests:	8/17/22 – 11/15/22
	Cortland, NY 13045 USA
Verification Issuing Office Name & Address:	Intertek Testing Services NA, Inc. 3933 US Rt-11
Relevant Standards:	ANSI/ASSP Z359.14-2021
Brand Name:	KStrong
Models/Type References:	UFS310206L, UFS310206LD, UFS314006L, UFS314006LD, UFS316106L, UFS316106LD, UFS319006L, UFS319006LD
Product Description:	Self-Retracting Device
	USA
	Suite F200 Radnor, PA 19087
Applicant Name & Address:	KStrong INC 150 N. Radnor Chester Rd.
be read in conjunction with i	
	pirectives listed on this verification at the time the tests were carried out. Other y be relevant to the product. This verification is part of the full test report(s) and should
	ed test report(s), sample(s) of the below product have been found to comply with the

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03/27/2023

Date:



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

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

TEST REPORT FOR KSTRONG INC

Report No.: 105376372CRT-007 Date: March 27, 2023

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

 Name of Testing Laboratory
 Intertek Testing Services NA Inc.

 Preparing the Report

Test Specification:

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

Product Description:Self-Retracting DeviceProduct Type:Leading Edge (Class 2)Brand Name:KStrongModel Number(s):UFS310206L, UFS310206LD, UFS314006L, UFS314006LD,
UFS316106L, UFS316106LD, UFS319006L, UFS319006LDAdditional Models Covered:N/ADate(s) Samples Received8/10/2022-10/26/22

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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

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:		SIGNATURE 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
Х	Test Weight	NA	NA	310 Lbs	-	VBU	VBU
x	Leading Edge Bar	Intertek	G147	CAT 3	-	•	e Use 3U
Х	Load Cell	Interface	G138	-	-	5/28/22	5/28/23
Х	Load Cell	Interface	L137	-	-	5/25/22	5/25/23
X	Tape Measure	Stanley	N1407	-	-	2/16/22	2/16/23

SECTION 4

SUPPLEMENTAL TEST DATA

SECTION (TEST)	REQUIREMENT		COMPLIANCE			
	DYNAMIC PERFORMANCE: "Ambieu1.Connect 310 lb. weight2.Drop test weight from a le3.Allow weight to swing unr4.Record the maximum and5.Line must retain 1,000 lb.	vel 5 feet +/- 1 inch estrained for a perio average arresting fo	rces	less than 10	seconds	
	SRL LINE ORIENTATION: PERP	ENDICULAR SAM		SAMPLE: 2	SAMPLE: 3	
	Lock function shall operate pe	r 3.1.2 Yi	S	YES	YES	
	Visual indicator shall activate	YE	S	YES	YES	
	Max. Arrest Force: (lbs.) < 1,800 lbs.	11	43	1153	1222	
	Avg Arrest Force (lbs.): < 1,575 lbs.	79	95	845	816	
	Arrest Distance (in):	154	1 1/2	151 ¾	153 ¾	
4.3.1.7	Retain a minimum of 1,000 lbs tensile strength following the	VI	S	YES	YES	PASS
	SRL LINE ORIENTATION: 5	OFFSET	IPLE:	SAMPLE:	SAMPLE: 6	
	Lock function shall operate pe		ŧ ES	YES	YES	
	Visual indicator shall activate		ES	YES	YES	
	Max. Arrest Force: (lbs.) < 1,800 lbs.		.08	1204	1125	
	Avg Arrest Force (lbs.): < 1,575 lbs.	8	39	842	893	
	Arrest Distance (in):	15	0 ¼	149 ¾	148 ¾	
	Retain a minimum of 1,000 lb tensile strength following the	v	ES	YES	YES	

TEST REPORT FOR KSTRONG INC

Date: March 27, 2023

SECTION (TEST)	REQUIREMENT		RESU	JLTS		COMPLIANCE
	Static Strength: (ambient) shall withstand 3,000 lbs. when tested to:		Sample: 1	Sample: 2	Sample: 3	
3.2.1/4.2. 1	 apply a 3,000 lbs ,(+60/-0 lbs) load and maintain for 1-minute to the point of SRL line 	Withstand load	YES	YES	YES	PASS
	connection to the SRL drum (across the device)					
			Sample: 1	Sample: 2	Sample: 3	
3.6.1/4.6. 1	Static Strength Testing of SRL-P (Multiple Orientations for Twin Units): (ambient) shall withstand	Withstand load	YES	YES	YES	PASS
	<u>3,600 lbs.</u>					
	SRL-P Dual Connection: Raise 24 inches drop: Record MAF		Sample: 4	Sample: 5	Sample: 6	
3.6.2/4.6. 2		Mass Force	834	817	881	PASS
2		Sample Break?	NO	NO	NO	
			Sample: 1	Sample: 2	Sample: 3	
3.6.3/4.6. 3	SRL-P Wrap Around Static Strength (Includes 4.1.8 Abrasion): (ambient) shall	Withstand Abrasion 2500 cycles?	YES	YES	YES	PASS
	withstand 3,600 lbs. when tested	Withstand load	YES	YES	YES	

TEST REPORT FOR KSTRONG INC

Date: March 27, 2023

Section (Test)	Requirement	Results			Compliance	
3	"Marking and Instructions"					
5.1.1					DACC	
	Shall be in English				PASS	
5.1.3	Self-Retracting Devices shall be marked with the following: Marking Comments YES NO NA					
	Part number and model designation	Comments	X			
	Year of manufacture		X			
	Manufacturer's name or logo		X			
	Capacity Range		X			
	Unique ID Number		X			
	Standard Number (Z359.14)		X			
	How to inspect the visual indicator		X			
	Warning to follow the manufacturer's					
	instructions included with the equipment		x			
	at time of shipment from the manufacturer					
	Warning of the need for inspection in					
	accordance with the manufacturer's		x			
	instructions					
	The fiber or other materials used in the					
	lanyard construction		X		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		v			
	for locking and retraction before each use		X			
	SRD class and arrest distance		Х			
	Warning of the need to avoid lanyard					
	contact with sharp edges and abrasive		X			
	surfaces (not required for LE devices)					
	Free fall limit		Х			
	Suitability for use with horizontal lifelines			X		
	Suitability for horizontal use			X		
	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 man				PASS	

TEST REPORT FOR KSTRONG INC

Date: March 27, 2023

Section Test)	Requirement		Results				Complianc
5.2.2							
	Instructions shall contain the following inform	nation:					
	Instructions	Comment	ts	YES	NO	NA	
	A statement that the manufacturer's			v			
	instructions shall be provided to the users			X			
	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			x			
	use of the equipment			~			
	Illustrations showing locations of markings			x			
	on the equipment			^			
	Reproduction of printed information on all			х			
	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			x			
	lanyard construction						
	The lanyard length			X			
	The average arresting force when						
	dynamically tested in accordance with the			X			
	requirements of the standard					+	
	SRD class and arrest distance when			V			
	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			х			
.2.3	Instructions shall require that only the equipn	nent		L		1 1	PASS
	Instructions shall require that only the equipment manufacturer, or persons or entities authorized in						
	writing by the manufacturer, shall make repai						
	equipment	-					
2.4	Instructions shall require the user to remove						PASS
	equipment from service if it has been subjected	ed to the					
	forces of arresting a fall or affecting a rescue						
2.5	Instructions shall require the user to have a w	ritten					PASS
	rescue plan and the means at hand to implem						
	when using the equipment						

Date: March 27, 2023

Altering the equipment			
Altering the equipment	Х		
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	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		PASS
Using the equipment around moving machinery and electrical hazards	x		
Using the equipment near sharp edges or abrasive surfaces	Х		
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	х		

SECTION 5

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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