

Declaration of Conformity

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

Declaration #: DOC-UFS356106LD

Declaration Date: 11/30/2023

Item #: UFS356106LD

Description: KStrong® BRUTE™ Backer™ LE 8.5 ft. Dual Web SRL with Aluminum Rebar 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

**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-UFS356106LD.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: 105650086CRT-002

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: UFS350206L, UFS350206LD, UFS354006L, UFS354006LD, UFS356106L, UFS356106LD

Brand Name: KStrong INC.

Relevant Standards: ANSI Z359.14-2021

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

Date of Tests: 08/17/2022 – 11/15/2022

Test Report Number(s): 105650086CRT-001

Signature:



Name:

Matthew Stevens

Position:

Team Leader

Date:

11/30/2023



KSTRONG INC. TEST REPORT

SCOPE OF WORKs

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

REPORT NUMBER

105650086CRT-001

ORIGINAL REPORT NUMBER

105113592CRT-002

ISSUE DATE

November 30, 2023

PAGES

9

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Address
3933 US rt. 11 Cortland, NY 13045

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

TEST REPORT FOR KSTRONG INC.

Report No.: 105650086CRT-001

Date: November 30, 2023

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

Report Number..... 105650086CRT-001

Signed Quote Number..... Qu-01405170

PO Number.....: N/A

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

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: K-Strong

Model Number(s): UFS350206L, UFS350206LD, UFS354006L, UFS354006LD,
UFS356106L, UFS356106LD

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

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

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Date: November 30, 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

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.

WRITTEN BY:	Alex Smith	REVIEWED BY:	Matthew Stevens
TITLE:	Technician	TITLE:	Team Leader
SIGNATURE:		SIGNATURE	
DATE	11/30/2023	DATE:	11/30/2023

Please see attached test data for details.

Date: November 30, 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	-	Single Use VBU	
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

SECTION 4

SUPPLEMENTAL TEST DATA

SECTION (TEST)	REQUIREMENT	RESULTS	COMPLIANCE																												
4.3.1.7	<u>DYNAMIC PERFORMANCE: "Ambient"</u>		PASS																												
	<ol style="list-style-type: none"> Connect 310 lb. weight Drop test weight from a level 5 feet +/- 1 inch Allow weight to swing unrestrained for a period of not less than 10 seconds Record the maximum and average arresting forces Line must retain 1,000 lb. static load after drops 																														
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SECTION (TEST)	REQUIREMENT	RESULTS				COMPLIANCE
3.2.1/4.2.1	<p>Static Strength: (ambient) shall withstand 3,000 lbs. when tested to:</p> <ul style="list-style-type: none"> - 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) 		Sample: 1	Sample: 2	Sample: 3	PASS
		Withstand load	YES	YES	YES	
3.6.1/4.6.1	<p>Static Strength Testing of SRL-P (Multiple Orientations for Twin Units): (ambient) shall withstand <u>3,600 lbs.</u></p> <p>*PCGS 2X8.5FT(LE)</p>		Sample: 1	Sample: 2	Sample: 3	PASS
		Withstand load	YES	YES	YES	
3.6.2/4.6.2	<p>SRL-P Dual Connection: Raise 24 inches drop: Record MAF</p> <p>*PCGS 2X8.5FT(LE)</p>		Sample: 4	Sample: 5	Sample: 6	PASS
		Mass Force	834	817	881	
		Sample Break?	NO	NO	NO	
3.6.3/4.6.3	<p>SRL-P Wrap Around Static Strength (Includes 4.1.8 Abrasion): (ambient) shall withstand 3,600 lbs. when tested</p> <p>* PCGS 8.5FT(LE)(TB)</p>		Sample: 1	Sample: 2	Sample: 3	PASS
		Withstand Abrasion 2500 cycles?	YES	YES	YES	
		Withstand load	YES	YES	YES	

Section (Test)	Requirement	Results	Compliance																																																																																																													
3	"Marking and Instructions"																																																																																																															
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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

Date: November 30, 2023

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			
6.0	User Inspection, Maintenance and Storage of Equipment					PASS

**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
105650086CRT-001	11/30/2023	Report Extension	Alex Smith	Matthew Stevens

Date: November 30, 2023

SECTION 6
PHOTOGRAPHS

