

Declaration of Conformity

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

Declaration #: DOC-UFS354006LD
Declaration Date: 11/30/2023

Item #: UFS354006LD

Additional Items Conforming Under this Declaration (If Applicable):

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

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-UFS354006LD.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

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

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ilac-MRA



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

Accrediting Agency



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, UFS356106LD

Brand Name: KStrong INC.

Relevant Standards: ANSI Z359.14-2021

Verification Issuing Office Intertek Testing Services NA, Inc.

Name & Address: 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:

Date:

Position:

Matthew Stevens
Team Leader

11/30/2023





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 are used to 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

105650086CRT-001

ORIGINAL REPORT NUMBER

105113592CRT-002

ISSUE DATE

November 30, 2023

PAGES

9

DOCUMENT CONTROL NUMBER

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Report No.: 105650086CRT-001 Date: November 30, 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...... 105650086CRT-001

Signed Quote Number..... Qu-01405170

PO Number.....: N/A

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

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

UFS350206L, UFS350206LD, UFS354006L, UFS354006LD,

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

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

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 |

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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: | alles Smith | SIGNATURE | Alf-1/20/2022 |
| 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 | - | • | 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 |

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SECTION 4

SUPPLEMENTAL TEST DATA

| | EMENTAL TEST DATA | | | | |
|-------------------|---|---|-----------------|---------|------------|
| SECTION (TEST) | REQUIREMENT | RI | ESULTS | | 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 | SAMPLE: | SAMPLE: | SAMPLE: | |
| | SKE LINE ORIENTATION. PERPENDICE | 1 1 | 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: | SAMPLE: | |
| | SKL LINE OKIENTATION: 5 OFFSE | 4 | 5 | 6 | |
| | 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 | |
| | | | | | |

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| SECTION (TEST) | REQUIREMENT | | COMPLIANCE | | | |
|-------------------|---|---------------------------------------|---------------------|---------------------|---------------------|------|
| 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 to the point of SRL line connection to the SRL drum (across the device) | Withstand load | Sample: 1 YES | Sample: 2 YES | Sample: 3 YES | PASS |
| | Static Strength Testing of SRL-P (Multiple Orientations for Twin | Withstand | Sample: | Sample: 2 | Sample: | |
| 3.6.1/4.6. 1 | Units): (ambient) shall withstand 3,600 lbs. *PCGS 2X8.5FT(LE) | load | YES | YES | YES | PASS |
| | | | Sample: | Sample: | Sample: | |
| 3.6.2/4.6. 2 | SRL-P Dual Connection: Raise 24 inches drop: Record MAF | Mass Force | 834 | 5 817 | 881 | PASS |
| 2 | *PCGS 2X8.5FT(LE) | Sample Break? | NO | NO | NO | |
| | | | Sample: | Sample: | Sample: | |
| 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 |
| 3 | withstand 3,600 lbs. when tested * PCGS 8.5FT(LE)(TB) | Withstand load | YES | YES | YES | |
| | | ļ | l . | 4 | | |

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| | | | 1 | | | | |
|---------|---|---------------|---------|----------|----|--|------------|
| Section | Requirement | | Results | | | | Compliance |
| (Test) | (2.2. Lt | | | | | | |
| 3 | "Marking and Instructions" | 1 | | | | | |
| 5.1.1 | Shall be in English | | | | | | PASS |
| 5.1.3 | Self-Retracting Devices shall be marked with the | ne following: | | | | | |
| | Madina | Camanaanta | | YES | NO | NIA. | |
| | Marking Part number and model designation | Comments | | X | NO | NA | |
| | 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 | | | Х | | | |
| | Warning to follow the manufacturer's | | | | | | |
| | instructions included with the equipment | | | Х | | | |
| | 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 | | | X | | | PASS |
| | lanyard construction | | | | | | 17.00 |
| | The lanyard working length | | | X | | | |
| | Average arresting force for the SRD class | | | X | | | |
| | Arresting distance | | | X | | | |
| | Proper installation means | | | X | | | |
| | Warning on the need for testing the device for locking and retraction before each use | | | Х | | | |
| | SRD class and arrest distance | | | X | | | |
| | 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 | | | | | Х | |
| | Suitability for horizontal use | | | | | Х | |
| | Suitability for Leading Edge capability | | | | | Х | |
| | , , , | | | <u> </u> | | | |
| | | | | | | | |
| 5.2.1 | Instructions shall be in English, and affixed to t equipment at time of shipment from the manu | | | | | | PASS |

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| Section | Requirement | | Results | | | | Complianc |
|----------------|---|-----------|---------|-----|----|----|-----------|
| Test) 5.2.2 | - | | | | | | - |
| 7.2.2 | Instructions shall contain the following information: | | | | | | |
| | Instructions | Comme | nts | 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 | | | V | | | |
| | designation for the equipment | | | X | | | |
| | Intended use and purpose of the | | | V | | | |
| | equipment | | | X | | | |
| | Proper method of use and limitations on | | | V | | | |
| | 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 | | | X | | | |
| | and operating correctly | | | | | | BASS |
| | Anchorage requirements | | | Х | | | PASS |
| | 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 | | | 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 | | | X | | | |
| | Testing the device for locking before each | | | х | | | |
| | use | | | ^ | | | |
| 2.3 | Instructions shall require that only the equipm | nent | | | | | PASS |
| | manufacturer, or persons or entities authorize | | | | | | |
| | writing by the manufacturer, shall make repair | rs to the | | | | | |
| | 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 w | | | | | | PASS |
| | rescue plan and the means at hand to implem | ent it | | | | | |
| | when using the equipment | | | | | | |

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| 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 | | 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 | | | |

Report No.: 105650086CRT-001

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

