Declaration of Conformity

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

Declaration #: DOC-UFA30021
Declaration Date: 09/07/2022

Item #: UFA30021

Description: KStrong® Permanent Use Stainless Steel 17" Roof Anchor with 1 Forged D-ring (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 Z359.18-2017 Type A/T

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-UFA30021.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

Accrediting Agency

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

Test Verification of Conformity

Verification Number: 105185418CRT-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) 10158773CRT-001 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:	Anchor
Models/Type References:	UFA30021, UFA30021(C), UFA30021(CW), UFA30021(AW) (Type A/T)
Brand Name:	KStrong INC
Relevant Standards:	ANSI/ASSP Z359.18:2017 Ed.
Verification Issuing Office Name & Address:	Intertek Testing Services NA, Inc. 3933 US Rt-11 Cortland, NY 13045 USA
Date of Tests:	8/9/2022
Test Report Number(s):	105185418CRT-002

Signature:

Name: **Matthew Stevens**
Position: **Team Leader**
Date: **9/7/2022**

intertek
Total Quality. Assured.

KSTRONG INC.

TEST REPORT

SCOPE OF WORKs
ANSI Z359.18 – 2017 Safety Requirements for Anchorage Connectors for Active Fall Protection Systems

REPORT NUMBER
105185418CRT-001
ORIGINAL REPORT NUMBER
105158773CRT-001

ISSUE DATE
9/7/2022

PAGES
7

DOCUMENT CONTROL NUMBER
GFT-OP-10a (6-March-2017)

3933 US Route 11
Cortland, New York ,USA
13045
Telephone: 607-758-6246
Facsimile: NA
www.intertek.com

TEST REPORT FOR KStrong Inc.
Report No.: 105185418CRT-001
Date: September 7th, 2022

KSTRONG INC.
150 N. Radnor Chester Rd.
Suite F200
Radnor, PA 19087
USA

Report Number..... : 105185418CRT-001

Signed Quote Number..... : Qu-01296280-0

PO Number..... N/A

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

Test Specification:

Standard..... : ANSI/ASSP Z359.18-2017

Date(s) of Testing..... : 8/9/2022

Product Description:

Product Type: ..... : Type A/T

Brand Name: ..... : KStrong Inc.

Model Number(s): ..... : UFA30021

Additional Models Covered: ..... : UFA30021(C), UFA30021(CW), UFA30021(AW)

Date(s) Samples Received ..... : 7/25/2022

SECTION 1

SUMMARY OF TESTING

TESTS COMPLETED	ANSI/ASSP Z359.18-2017 CLAUSE	STATUS
Design Requirements	3	PASS
Static Strength Test (Per loading direction)	4.2.1.1	PASS
Conditioning (pre dynamic strength)-Non Textile Abrasion	4.2.2.1.2	PASS
Dynamic Strength Test-Type T	4.2.2.2.4	PASS
Residual Dynamic Strength- Type T	4.2.3.2	PASS
Serviceability Static Load Test- Type (T)	4.2.4.2	PASS
Marking And Instructions	5	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:	Steve Morey	**REVIEWED BY:**	Matthew Stevens
TITLE:	Technician	**TITLE:**	Team Leader
SIGNATURE:		**SIGNATURE**	
DATE	8/19/22	**DATE:**	9/7/22

Please see attached test data for details.

SECTION 3
TESTING EQUIPMENT CALIBRATION INFORMATION

USED FOR TEST	DESCRIPTION	MANUFACTURER	CONTROL NO.	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE
X	Load Cell	Interface	L099	-	-	11/11/21	11/11/22
X	Load Cell	Interface	G119	-	-	5/25/22	5/25/23
X	Tape Measure	Stanley	N1407	-	-	2/16/22	2/16/23

SECTION 3
SUPPLEMENTAL TEST DATA

<table>
<tr><th>SECTION (TEST)</th><th>REQUIREMENT</th><th colspan="3">RESULTS</th><th>COMPLIANCE</th></tr>
<tr><td rowspan="5">3.2.2.2/4.2.2.2.4</td><td colspan="4"><u>Dynamic Strength (Type T)</u> :
A) Install anchorage connector, conditioned according to the applicable requirements of 4.2.2.1.2 or 4.2.2.1.3 on the test anchorage in accordance with 4.1.2
B) Connect one end of the test lanyard to the connection point of the anchorage connector to be loaded or to the arrest force measuring instrumentation.
C) Connect the other end of the test lanyard to the test weight specified in 4.1.3
D) Raise the test weight to achieve a free-fall distance of 3’ (+0.1/-0).
E) Release the test weight by means of quick release mechanism.
F) Evaluate the test results per 3.2.2.1</td><td rowspan="5">PASS</td></tr>
<tr><td>Dynamic Strength Test</td><td>SAMPLE: 1</td><td>SAMPLE: 2</td><td>SAMPLE: 3</td></tr>
<tr><td>Anchorage connector successfully arrest the test weight?</td><td>YES</td><td>YES</td><td>YES</td></tr>
<tr><td>If deformation occurred did it create more than 1/8” (3mm) between gate and body?</td><td>NO</td><td>NO</td><td>NO</td></tr>
<tr><td>MAF (Ref Only) Lbs.</td><td>3045</td><td>3079</td><td>3140</td></tr>
</table>

<table>
<tr><th>SECTION (TEST)</th><th>REQUIREMENT</th><th>RESULTS</th><th>COMPLIANCE</th></tr>
<tr><td>3.2.3.1/4.2.3.2</td><td><u>Residual Dynamic Strength Test:</u>
1. <u>Repetition of the test specified in 4.2.2.1 using same anchorage connector without further conditioning and the same test lanyard used in first test.</u>
2. <u>Must support the test weight an additional minute after the residual dynamic drop.</u>
3. <u>Evaluate the test results per 3.2.3.1</u>

<table><tr><th>Residual Dynamic Strength</th><th>SAMPLE: 1</th><th>SAMPLE: 2</th><th>SAMPLE: 3</th></tr><tr><td>Anchorage connector successfully arrest the test weight?</td><td>YES</td><td>YES</td><td>YES</td></tr><tr><td>Maintain the test weight for a period of at least 1 minute?</td><td>YES</td><td>YES</td><td>YES</td></tr><tr><td>If deformation occurred did it create more than 1/8” (3mm) between gate and body?</td><td>NO</td><td>NO</td><td>NO</td></tr><tr><td>MAF (Ref Only) Lbs.</td><td>3166</td><td>3186</td><td>3184</td></tr></table></td><td>PASS</td></tr>
<tr><td>3.2.1.1/4.2.1.2</td><td><u>Static Strength Test for Type T Anchorage Connectors:</u>
A) <u>A new anchorage connector may be used for each test.</u>
B) <u>Test force shall be 5,000 pounds (+50/-0)</u>
C) <u>Install anchorage connector on the test anchorage in accordance with requirements of 4.1.2.</u>
D) <u>Apply load to the anchorage connector in the direction(s) of loading specified in 4.1.2.5.</u>
E) <u>Apply load at no greater than 2”/min and maintain 5,000 pound test load for at least 3 minutes.</u>
F) <u>Release load</u>
G) <u>Evaluate the test results per 3.2.1.1</u>

<table><tr><th>Static Strength Requirements</th><th>SAMPLE 3</th><th>SAMPLE 4</th><th>SAMPLE 5</th></tr><tr><td>Anchorage resist the test load?</td><td>YES</td><td>YES</td><td>YES</td></tr><tr><td>If deformation occurred did it create more than 1/8” (3mm) between gate and body?</td><td>NO</td><td>NO</td><td>NO</td></tr></table></td><td>PASS</td></tr>
</table>

<table>
<tr><th>SECTION (TEST)</th><th>REQUIREMENT</th><th>RESULTS</th><th>COMPLIANCE</th></tr>
<tr><td>3.2.1.1/4.2.4.2</td><td><u>Serviceability Load for Type T Anchorage Connectors:</u>

<u>A new anchorage connector may be used for each test.</u>
<u>Test force shall be greater than twice the work load or 2,500 pounds (Whichever is Greater)</u>
<u>Install anchorage connector on the test anchorage in accordance with requirements of 4.1.2.</u>
<u>Apply load at no greater than 90lbs/min and maintain load for at least 3 minutes.</u>
<u>Release load</u>
<u>Evaluate the test results per 3.2.4.2</u>

<table><tr><th>Static Strength Requirements</th><th>SAMPLE 3</th><th>SAMPLE 4</th><th>SAMPLE 5</th></tr><tr><td>Anchorage resist the test load?</td><td>YES</td><td>YES</td><td>YES</td></tr><tr><td>Cracking/Breaking or Deformation</td><td>NO</td><td>NO</td><td>NO</td></tr></table></td><td colspan="2">PASS</td></tr>
<tr><td>3.2.1.1/4.2.4.2</td><td><u>Serviceability Load for Type T Anchorage Connectors:</u>

<u>A new anchorage connector may be used for each test.</u>
<u>Test force shall be greater than twice the work load or 2,500 pounds (Whichever is Greater)</u>
<u>Install anchorage connector on the test anchorage in accordance with requirements of 4.1.2.</u>
<u>Apply load at no greater than 90lbs/min and maintain load for at least 3 minutes.</u>
<u>Release load</u>
<u>Evaluate the test results per 3.2.4.2</u>

<table><tr><th>Static Strength Requirements</th><th>SAMPLE 3</th><th>SAMPLE 4</th><th>SAMPLE 5</th></tr><tr><td>Anchorage resist the test load?</td><td>YES</td><td>YES</td><td>YES</td></tr><tr><td>Cracking/Breaking or Deformation</td><td>NO</td><td>NO</td><td>NO</td></tr></table></td><td colspan="2">PASS</td></tr>
</table>

SECTION 5
REVISION HISTORY

REPORT NUMBER	DATE OF REVISION	DESCRIPTION OF CHANGE:	PROJECT OWNER	REVIEWED BY
105185418CRT-001	9/7/2022	Original Report	Steve Morey	Matthew Stevens
105185418CRT-001	9/8/2022	Revised Model #'s	Steve Morey	Matthew Stevens