

## Declaration of Conformity

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

Declaration #: DOC-UFH10332G

Declaration Date: 03/15/2024

Item #: UFH10332G

**Description:** KStrong® Kapture™ Epic+ 5-Point Full Body Harness, Waist Pad w/ Removable Tool Belt, Back/Shoulder Pad, Enhanced Dorsal D-ring, 2 Side D-rings, QC Chest, TB Legs (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):**

UFH10332G(S-M)

UFH10332G(M-L)

UFH10332G(L-XL)

UFH10332G(XL-2XL)

UFH10332G(2XL-3XL)

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

### ANSI Z359.11-2021

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-UFH10332G.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: 105765189CRT-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:** Full Body Harness

**Models/Type References:** UFH10241G, UFH10261G, UFH10332G, UFH10332P, UFH15231GQ,  
UFH16231GP, UFH50335GQ, UFH10201G(GB), UFH15231Q

**Brand Name:** KStrong INC

**Relevant Standards:** ANSI/ASSP Z359.11 – 2021 Ed.

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

**Date of Tests:** 8/25/2022-8/29/2022

**Test Report Number(s):** 105765189CRT-001

**Signature:**



**Name:**

**Matthew Stevens**

**Position:**

**Team Leader**

**Date:**

**03/15/2024**



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 WORK**

ANSI Z359.11-2021 Safety Requirements for Full Body Harnesses

**REPORT NUMBER**

105765189CRT-001

**ORIGINAL REPORT NUMBER**

105294528CRT-001

**ISSUE DATE**

March 25, 2024

**PAGES**

13

**DOCUMENT CONTROL NUMBER**

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

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3933 US Rt. 11  
Cortland, NY 13045

Telephone: 1 607-753-6711  
www.intertek.com

**TEST REPORT FOR KSTRONG INC**

Report No.: 105765189CRT-001

Date: March 25, 2024

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

**Report Number**..... : 105294528CRT-001

**Signed Quote Number**..... : Qu-01321313

**PO Number**. .... : None

**Name of Testing Laboratory**

**Preparing the Report** ..... : Intertek Testing Services NA Inc.

**Test Specification:**

**Standard**..... : ANSI/ASSP Z359.11-2021

**Date(s) of Testing**..... : 8/25/2022-8/29/2022

**Product Description**..... :

**Product Type**: ..... : Full Body Harness

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

**Model Number(s)**: ..... : UFH10241G

UFH10261G, UFH10332G, UFH10332P, UFH15231GQ,

**Model Sharing**..... : UFH16231GP, UFH50335GQ, UFH10201G(GB),

UFH15231Q

**Date(s) Samples Received** ..... : 8/19/2022

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Date: March 25, 2024

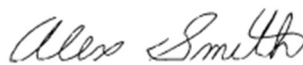

**SECTION 1**

**SUMMARY OF TESTING**

TESTS COMPLETED	ANSI/ASSP Z359.11-2021 CLAUSE	STATUS
Design	3	PASS
Dynamic Feet First Drop (Dorsal)	4.3.3	PASS
Dynamic Head First Drop (Dorsal)	4.3.4	PASS
Static Feet First (Dorsal)	4.3.5	PASS
Visual Indicator Test (purchase EAL for test)	4.3.6	PASS
Static Feet First (Hip)	4.3.5	PASS
Static Feet First (Shoulder)	4.3.7	PASS
Static Feet First Test for Lanyard Parking Attachment Element	4.3.7	PASS
Markings 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.**

<b>WRITTEN BY:</b>	Alex Smith	<b>REVIEWED BY:</b>	Matthew Stevens
<b>TITLE:</b>	Technician	<b>TITLE:</b>	Team Leader
<b>SIGNATURE:</b>		<b>SIGNATURE:</b>	
<b>DATE:</b>	03/15/2024	<b>DATE:</b>	03/15/2024

**Please see attached test data for details.**

Date: March 25, 2024

**SECTION 3**

**TESTING EQUIPMENT CALIBRATION INFORMATION**

USED FOR TEST	DESCRIPTION	MANUFACTURER	CONTROL NO.	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE
X	Level	MD	L096	NA	NA	3/7/22	3/7/23
X	Test Torso	NA	15064	220 lbs	-	VBU	VBU
X	Load Cell	PCB	L123	-	-	5/25/22	5/25/23
X	Load Cell	Interface	G118	-	-	7/26/22	7/26/23
X	Tape Measure	NA	N1407	-	-	2/16/22	2/16/23

**SECTION 3**

**SUPPLEMENTAL TEST DATA**

Paragraph	Test Description	Results	Compliance
3	Requirements		
3.1	Design Requirements		
3.1.2	Permanently incorporate a dorsal or sternal attachment	YES	PASS
3.1.2	Materials and constructions shall meet requirements	YES	PASS
3.1.3	FBH w/ dorsal attachment shall permanently include a sub-pelvic strap and /or waist belt	YES	PASS
3.1.4	FBH w sternal attachment shall permanently include a waist belt	YES	PASS
3.1.4	All shoulder straps shall come together and be connected at the dorsal location	YES	PASS
3.1.4	All FBH's shall permanently incorporate a waist belt or a back strap for controlling the separation of the shoulder straps	YES	PASS
3.1.5	Modular components shall design requirements	YES	PASS
3.1.5.1	Modular components shall be attached to the harness using connections that meet section 3	YES	PASS
3.1.5.2	Attachment element extender can be no longer than 24-inches	YES	PASS
3.1.6	FBH integrated into a vest shall allow visual inspection or entire FBH	YES	PASS
3.1.7	All FBH shall be equipped with a fall arrest indicator that will deploy during dynamic testing	YES	PASS
3.1.8	FBH/EA/EAL combinations shall meet the requirements of Z359.11 and Z359.13	YES	PASS
3.1.9	FBH shall include keepers for straps	YES	PASS
3.1.10	FBH shall include lanyard parking attachment	YES	PASS
3.1.11	It shall not be possible to remove elements	YES	PASS
3.1.12	All single point attachment elements must be located within 2-inches of the vertical centerline	YES	PASS
3.2	Attachment Element Requirements	YES	PASS
3.2.1	Dorsal- shall be used as the primary fall arrest attachment	YES	PASS
3.2.1.1	May be used in travel restraint or rescue	YES	PASS
3.2.1.2	Dorsal attachment shall direct the load through the shoulder straps and around the thighs	YES	PASS

Date: March 25, 2024

Paragraph	Test Description	Results	Compliance
3.2.1.3	Dorsal Attachment Element requirements	YES	PASS
3.2.1.3.1	Dynamic Feet First- see section 4.3.3	YES	PASS
3.2.1.3.2	Dynamic Head First – see section 4.3.4	YES	PASS
3.2.1.3.3	Static Feet First- see section 4.3.5	YES	PASS
3.2.1.3.4	Fall Arrest Indicator – see section 4.3.6	YES	PASS
3.2.2	The sternal attachment may be used as an alternative fall arrest attachment	YES	PASS
3.2.2.1	The sternal attachment may be used for travel restraint or rescue	YES	PASS
3.2.2.2	Sternal attachment design shall direct the load through the shoulder straps and thighs	YES	PASS
3.2.2.3	Sternal Attachment Element Requirements	YES	PASS
3.2.2.3.1	Dynamic Feet First – see section 4.3.3	YES	PASS
3.2.2.3.2	Static Feet First – see section 4.3.5	YES	PASS
3.2.2.3.3	Fall Arrest Indicator – see section 4.3.6	YES	PASS
3.2.3	Frontal attachment to be used for ladder guided type FA’s where no chance of fall in a feet first direction (may be used for work positioning)		NA
3.2.3.1	Frontal Attachment Element Requirements	YES	PASS
3.2.3.1.1	Dynamic Feet First – see section 4.3.3	YES	PASS
3.2.3.1.2	Static Feet First – see section 4.3.5	YES	PASS
3.2.4	Shoulder attachments shall be used as a pair, also for rescue and entry/retrieval not for FA.	YES	PASS
3.2.4.1	Shoulder Attachment Elements Requirements	YES	PASS
3.2.4.1.1	Static Feet First – see section 4.3.5	YES	PASS
3.2.5	Waist, rear attachment for travel restraint only	YES	PASS
3.2.5.1	Waist, rear attachment shall be subjected to minimal loading, not used for FA	YES	PASS
3.2.5.2	Waist Attachment Elements Requirements	YES	PASS
3.2.5.2.1	Static Feet First – see section 4.3.5	YES	PASS
3.2.6	Hip attachments shall be used as a pair and solely for work positioning, not used for FA	YES	PASS
3.2.6.1	Hip Attachment Element Performance Requirements	YES	PASS
3.2.6.1.1	Static Feet First – see section 4.3.5	YES	PASS
3.2.7	Suspension seat shall be used as a pair and solely for work positioning, not used for FA		NA
3.2.7.1	Suspension Seat Attachment Element Performance Requirements		NA
3.2.7.1.1	Static Feet First – see section 4.3.5	YES	PASS
3.3	Component Requirements	YES	PASS
3.3.1	Load Bearing Straps	YES	PASS
3.3.1.1	Shall not be less than 1-5/8” (41mm)	YES	PASS
3.3.1.2	Minimum breaking strength of 5,000 lbs per section 7.1.1	YES	PASS
3.3.1.3	Straps shall be pure, non-recycled synthetic material. Any restrictions shall be marked on the FBH	YES	PASS

Paragraph	Test Description	Results			Compliance																																							
3.3.1.4	Straps shall be hot cut, sealed, covered, or stitched to prevent fraying	YES			PASS																																							
3.3.1.5	After abrasion conditioning per 7.1.2, straps shall have a breaking strength of at least 3,600 lbs when tested to 7.1.1	YES			PASS																																							
3.3.1.6	In areas of concentrated wear straps shall be protected	YES			PASS																																							
3.3.1.7	Spacing between eyelets centers shall be between 1-1/8- 2 inches	YES			PASS																																							
3.3.2	Thread and Stitching	YES			PASS																																							
3.3.2.1	Shall have the same material as load bearing straps	YES			PASS																																							
3.3.2.2	All stitching shall be lock stitched and backstitched	YES			PASS																																							
3.3.2.3	All stitching used to connect load bearing members shall be contrasting in color at a distance of 12-inches	YES			PASS																																							
3.3.3	Connecting Components	YES			PASS																																							
3.3.3.1	Hardware shall conform to Z359.12 (except soft loops)	YES			PASS																																							
3.3.3.2	Soft loops attachments may be used in place of metal connecting components	YES			PASS																																							
3.3.3.3	Soft loop attachments shall be constructed of materials that meet section 3.3.1			NA	NA																																							
3.3.3.4	Soft loops shall include protection from wear			NA	NA																																							
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Date: March 25, 2024

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Date: March 25, 2024

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4.3.5	<p>Static <b>Feet First</b> Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> <li>1. Don the harness on the test torso</li> <li>2. Secure crotch of test torso to test equipment</li> <li>3. connect to attachment element</li> <li>4. mark locations of buckles and adjusters</li> <li>5. apply 3,600 lb load and maintain for 1-minute</li> <li>6. Release load and evaluate sample</li> </ol>	<table border="1"> <thead> <tr> <th colspan="3">Feet First DORSAL Attachment Requirements per Section 3.2.1.3.3</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">1,2,3</td> </tr> <tr> <td>Release from the torso</td> <td></td> <td>no</td> </tr> <tr> <td>Slippage – Crotch Strap Adjuster, Right</td> <td>0</td> <td>inches</td> </tr> <tr> <td>Slippage – Crotch Strap Adjuster, Left</td> <td>0</td> <td>inches</td> </tr> <tr> <td>Slippage – Chest Strap Adjuster, Center</td> <td>0</td> <td>inches</td> </tr> <tr> <td>Slippage – Chest Strap Adjuster, Right</td> <td>0</td> <td>inches</td> </tr> <tr> <td>Slippage – Chest Strap Adjuster, Left</td> <td>0</td> <td>inches</td> </tr> <tr> <td>Slippage – Other</td> <td>na</td> <td>inches</td> </tr> <tr> <td>Slippage – Other</td> <td>na</td> <td>inches</td> </tr> <tr> <td>Strap tear further than adjacent eyelet adjuster</td> <td></td> <td>na</td> </tr> <tr> <td>Straps shall show no signs of tearing</td> <td>yes</td> <td></td> </tr> </tbody> </table> <p>“Slippage through any adjuster shall not exceed 1-inch”</p>	Feet First DORSAL Attachment Requirements per Section 3.2.1.3.3			Sample ID:	1,2,3		Release from the torso		no	Slippage – Crotch Strap Adjuster, Right	0	inches	Slippage – Crotch Strap Adjuster, Left	0	inches	Slippage – Chest Strap Adjuster, Center	0	inches	Slippage – Chest Strap Adjuster, Right	0	inches	Slippage – Chest Strap Adjuster, Left	0	inches	Slippage – Other	na	inches	Slippage – Other	na	inches	Strap tear further than adjacent eyelet adjuster		na	Straps shall show no signs of tearing	yes		PASS
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5.1.1	Shall be in English		PASS																																				
5.1.2	Required markings shall endure the life of the component, when PSL’s are used they shall comply with UL969-2001 (section 7.2.1)		PASS																																				

Date: March 25, 2024

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5.2.2	<p>Instructions shall contain the following information:</p> <table border="1"> <thead> <tr> <th>Instructions</th> <th>Comments</th> <th>YES</th> <th>NO</th> <th>NA</th> </tr> </thead> <tbody> <tr> <td>Appendix A of the standard in it's entirety</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>A statement that the manufacturer's instructions shall be provided to the users</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Manufacturers name, address, and telephone number</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Manufacturer's part number and model designation for the equipment</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Intended use and purpose of the equipment</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Length of Harness Effect</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Proper method of use and limitations on use of the equipment</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Illustrations showing locations of markings on the equipment</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Reproduction of printed information on all markings</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Inspection procedures required to assure the equipment is in serviceable condition and operating correctly</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Criteria for discarding equipment which fails inspection</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Procedures for cleaning, maintenance, and storage</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Reference to Z359.11</td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Acceptable use for all attachment elements (see Appendix A of the standard)</td> <td></td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>	Instructions	Comments	YES	NO	NA	Appendix A of the standard in it's entirety		X			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			Length of Harness Effect		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			Criteria for discarding equipment which fails inspection		X			Procedures for cleaning, maintenance, and storage		X			Reference to Z359.11		X			Acceptable use for all attachment elements (see Appendix A of the standard)		X				PASS
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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																																																																											
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5.2.5	Instructions shall require the user to have a rescue plan and the means at hand to implement it when using the equipment		PASS																																																																											

Date: March 25, 2024

Paragraph	Test Description	Results				Compliance
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, heat, flames, or other environmental conditions, 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			
Exposure to light (UV degradation)				X		

**SECTION 5**

**REVISION HISTORY**

REPORT NUMBER	DATE OF REVISION	DESCRIPTION OF CHANGE:	PROJECT OWNER	REVIEWED BY
105167073CRT-001	8/31/2022	Original Report	Steven Morey	Matthew Stevens
105294528CRT-001	1/23/2023	Report Extension	Steven Morey	Matthew Stevens
105765189CRT-001	03/25/2024	Report Revision: Added Variants & Images	Alex Smith	Matthew Stevens

Date: March 25, 2024

**SECTION 6**  
**PHOTOGRAPHS**

