# Declaration of Conformity

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

**Declaration #:** DOC-UFH10231P
**Declaration Date:** 08/29/2024

**Item #:** UFH10231P

**Description:** KStrong® Kapture™ Elite 5-Point Full Body Harness, Dorsal D-ring, 2 Side D-rings, MB 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):**

UFH10231P(S-M)
UFH10231P(M-L)
UFH10231P(L-XL)

**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-UFH10231P.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:**

Matt Sisco
President - KS Group, North America

**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: 105931908CRT-004

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<br>150 N. Radnor Chester Rd.<br>Suite F200<br>Radnor, PA 19087<br>USA |
| Product Description: | Full Body Harness |
| Models/Type References: | UFH10252P, UFH10101P, UFH10131P, UFH10201P, UFH10231P, UFH10211P |
| Brand Name: | KStrong Inc. |
| Relevant Standards: | ANSI Z359.11-2021 |
| Verification Issuing Office Name & Address: | Intertek Testing Services NA, Inc.<br>3933 US Rt-11<br>Cortland, NY 13045<br>USA |
| Date of Tests: | 04/27/2023 – 04/28/2023 |
| Test Report Number(s): | 105931908CRT-003 |

**Signature:**

**Name:** **Matthew Stevens**
**Position:** **Team Leader**
**Date:** **08/29/2024**

SCC Accredited LAB

ACCREDITED

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Total Quality. Assured.

# KSTRONG INC.
# TEST REPORT

**SCOPE OF WORK**
Standard Evaluation to ANSI Z359.11-2021 Safety Requirements for Full Body Harnesses

**REPORT NUMBER**
105931908CRT-003

**ORIGINAL REPORT NUMBER**
105529384CRT-011

**ISSUE DATE**
September 5, 2024

**PAGES**
12

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Cortland, NY 13045

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www.intertek.com

**TEST REPORT FOR KSTRONG INC.**
Report No.: 105931908CRT-003
Date: September 5, 2024

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

**Report Number..... :** 105931908CRT-003

**Signed Quote Number. ..... :** Qu-01473922

**PO Number. ..... :** NA

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

**Test Specification:**

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

**Date(s) of Testing..... :** 4/27/2023 – 4/28/2023

**Product Description:**

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

**Model Number: ..... :** UFH10252P

**Shared Model Number:..... :** UFH10101P, UFH10131P, UFH10201P, UFH10231P, UFH10211P

**Date(s) Samples Received ..... :** 4/17/23

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## 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 Headfirst Drop (Dorsal) | 4.3.4 | PASS |
| Fall Arrest Indicator (Dorsal) | 4.3.6 | PASS |
| Static Feet First (Dorsal) | 4.3.5 | PASS |
| Static Feet First (Hip) | 4.3.5 | PASS |
| Static Feet First for Lanyard Parking Attachment | 4.3.7 | PASS |

## SECTION 2

**This test report concludes the work anticipated in the testing phase of your project. Original Testing performed to 2014 Edition. Data evaluated to 2021 version as no differences in test procedures. 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** | 09/05/2024 | **DATE:** | 09/05/2024 |

**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 | Drop Test Structure | Intertek | NA | CAT. 3 | - | N/A | N/A |
| X | Test Torso | NA | 15064 | 220 lbs | - | VBU | VBU |
| X | Load Cell | Interface | G119 | - | - | 5/25/22 | 5/25/23 |
| X | Tape Measure | Kobalt | H422 | - | - | 5/13/22 | 5/13/23 |

## SECTION 3
## SUPPLEMENTAL TEST DATA

| Paragraph | Test Description | Results | | | | Compliance |
|---|---|---|---|---|---|---|
| 3 | Requirements | | | | | |
| 3.1 | Design Requirements | | | | | |
| 3.1.1 | 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 |
| 3.1.5 | All shoulder straps shall come together and be connected at the dorsal location | | YES | | | PASS |
| 3.1.6 | All FBH's shall permanently incorporate a waist belt or a back strap for controlling the separation of the shoulder straps | | YES | | | PASS |
| 3.1.7 | Modular components shall design requirements | | | | | NA |
| 3.1.7.1 | Modular components shall be attached to the harness using connections that meet section 3 | | | | | NA |
| 3.1.7.2 | Attachment element extender can be no longer than 24-inches | | | | | NA |
| 3.1.8 | FBH integrated into a vest shall allow visual inspection or entire FBH | | | | | NA |
| 3.1.9 | All FBH shall be equipped with a fall arrest indicator that will deploy during dynamic testing | | YES | | | PASS |
| 3.1.10 | FBH/EA/EAL combinations shall meet the requirements of Z359.11 and Z359.13 | | YES | | | PASS |
| 3.1.11 | FBH shall include keepers for straps | | YES | | | PASS |
| 3.1.12 | FBH shall include lanyard parking attachment | | YES | | | PASS |
| 3.1.13 | It shall not be possible to remove elements | | YES | | | PASS |
| 3.1.14 | 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 |
| 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 |

| Paragraph | Test Description | Results | | | | Compliance |
|---|---|---|---|---|---|---|
| 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 | | | | N/A | NA |
| 3.2.2.2 | Sternal attachment design shall direct the load through the shoulder straps and thighs | | | | N/A | N/A |
| 3.2.2.3 | Sternal Attachment Element Requirements | | | | N/A | N/A |
| 3.2.2.3.1 | Dynamic Feet First – see section 4.3.3 | | | | N/A | N/A |
| 3.2.2.3.2 | Static Feet First – see section 4.3.5 | | | | N/A | N/A |
| 3.2.2.3.3 | Fall Arrest Indicator – see section 4.3.6 | | | | N/A | N/A |
| 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 | NA |
| 3.2.3.1 | Frontal Attachment Element Requirements | | | | | NA |
| 3.2.3.1.1 | Dynamic Feet First – see section 4.3.3 | | | | | NA |
| 3.2.3.1.2 | Static Feet First – see section 4.3.5 | | | | | NA |
| 3.2.4 | Shoulder attachments shall be used as a pair, also for rescue and entry/retrieval not for FA. | | | | | NA |
| 3.2.4.1 | Shoulder Attachment Elements Requirements | | | | | NA |
| 3.2.4.1.1 | Static Feet First – see section 4.3.5 | | | | | NA |
| 3.2.5 | Waist, rear attachment for travel restraint only | | | | | NA |
| 3.2.5.1 | Waist, rear attachment shall be subjected to minimal loading, not used for FA | | | | | NA |
| 3.2.5.2 | Waist Attachment Elements Requirements | | | | | NA |
| 3.2.5.2.1 | Static Feet First – see section 4.3.5 | | | | | NA |
| 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 | NA |
| 3.2.7.1 | Suspension Seat Attachment Element Performance Requirements | | | | NA | 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 |
| 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 |

| Paragraph | Test Description | Results | | | | Compliance |
|---|---|---|---|---|---|---|
| 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 |
| 4 | Qualification Testing | | | | | |
| | **"DORSAL ATTACHMENT"** | | | | | |
| 4.3.3 | Dynamic **Feet First** Drop Test:<br><br>Test Set-up (Dorsal):<br><br>1. Don the harness on the test torso<br>2. Position dorsal attachment per the Mfg Instructions.<br>3. If equipped with chest strap (section 4.3.2), locate strap +/-2 inches on torso from datum E figure 5 and 1b of standard<br>4. Determine drop height, attach quick release to the torso neck, lower torso to remove slack, measure height (lowest point of torso to floor)<br>5. Raise torso to predetermined height, release, measure MAF, measure and record final height | | | | | PASS |

| Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1 | | |
|---|---|---|
| Sample ID: | 1 | |
| Location of Dorsal Attachment Element | 8 | inches |
| Drop Height | 5' | ft |
| Max Arrest Force | 5160 | lbs |
| Hi- initial height | 126" | inches |
| Hf- final height | 137" | inches |
| He – Harness Effect (Hi-Hf) | 11" | inches |
| Harness effect shall not exceed 18-inches or which is stated in the Mfg. Instructions, whichever is less. Stated: | 18 | inches |
| Release from the torso | No | |
| Support the torso for a period of 5-minutes post fall | Yes | |
| Shall support the torso post fall of an angle not greater than 30° to vertical | Yes | 7.8° |
| At least one fall arrest indicator deployed visibly and permanently | Yes | |

<table>
<tr><th>Paragraph</th><th>Test Description</th><th>Results</th><th>Compliance</th></tr>
<tr><td>4.3.3</td><td>Dynamic <u>Feet First</u> Drop Test:<br><br><u>Test Set-up (Dorsal):</u><br><br>1. Don the harness on the test torso<br>2. Position dorsal attachment per the Mfg Instructions.<br>3. If equipped with chest strap (section 4.3.2), locate strap +/-2 inches on torso from datum E figure 5 and 1b of standard<br>4. Determine drop height, attach quick release to the torso neck, lower torso to remove slack, measure height (lowest point of torso to floor)<br>5. Raise torso to predetermined height, release, measure MAF, measure and record final height</td><td>
<table>
<tr><td colspan="4">Feet First DORSAL Attachment<br>Requirements per Section 3.2.1.3.1</td></tr>
<tr><td colspan="2">Sample ID:</td><td colspan="2">2</td></tr>
<tr><td colspan="2">Location of Dorsal Attachment Element</td><td>8</td><td>inches</td></tr>
<tr><td colspan="2">Drop Height</td><td>5</td><td>ft</td></tr>
<tr><td colspan="2">Max Arrest Force</td><td>5987</td><td>lbs</td></tr>
<tr><td colspan="2">Hi- initial height</td><td>126”</td><td>inches</td></tr>
<tr><td colspan="2">Hf- final height</td><td>139”</td><td>inches</td></tr>
<tr><td colspan="2">He – Harness Effect (Hi-Hf)</td><td>13”</td><td>inches</td></tr>
<tr><td colspan="2">Harness effect shall not exceed 18-inches or which is stated in the Mfg. Instructions, whichever is less. Stated</td><td>18</td><td>inches</td></tr>
<tr><td colspan="2">Release from the torso</td><td>No</td><td></td></tr>
<tr><td colspan="2">Support the torso for a period of 5-minutes post fall</td><td>Yes</td><td></td></tr>
<tr><td colspan="2">Shall support the torso post fall of an angle not greater than 30° to vertical</td><td>Yes</td><td>8.5°</td></tr>
<tr><td colspan="2">At least one fall arrest indicator deployed visibly and permanently</td><td>Yes</td><td></td></tr>
</table>
</td><td>PASS</td></tr>
<tr><td>4.3.3</td><td>Dynamic <u>Feet First</u> Drop Test:<br><br><u>Test Set-up (Dorsal):</u><br><br>1. Don the harness on the test torso<br>2. Position dorsal attachment per the Mfg Instructions.<br>3. If equipped with chest strap (section 4.3.2), locate strap +/-2 inches on torso from datum E figure 5 and 1b of standard<br>4. Determine drop height, attach quick release to the torso neck, lower torso to remove slack, measure height (lowest point of torso to floor)<br>5. Raise torso to predetermined height, release, measure MAF, measure and record final height</td><td>
<table>
<tr><td colspan="4">Feet First DORSAL Attachment<br>Requirements per Section 3.2.1.3.1</td></tr>
<tr><td colspan="2">Sample ID:</td><td colspan="2">3</td></tr>
<tr><td colspan="2">Location of Dorsal Attachment Element</td><td>8</td><td>inches</td></tr>
<tr><td colspan="2">Drop Height</td><td>5’</td><td>ft</td></tr>
<tr><td colspan="2">Max Arrest Force</td><td>5530</td><td>lbs</td></tr>
<tr><td colspan="2">Hi- initial height</td><td>126”</td><td>inches</td></tr>
<tr><td colspan="2">Hf- final height</td><td>138 ¼”</td><td>inches</td></tr>
<tr><td colspan="2">He – Harness Effect (Hi-Hf)</td><td>12 ¼”</td><td>inches</td></tr>
<tr><td colspan="2">Harness effect shall not exceed 18-inches or which is stated in the Mfg. Instructions, whichever is less. Stated:</td><td>18</td><td>inches</td></tr>
<tr><td colspan="2">Release from the torso</td><td>No</td><td></td></tr>
<tr><td colspan="2">Support the torso for a period of 5-minutes post fall</td><td>Yes</td><td></td></tr>
<tr><td colspan="2">Shall support the torso post fall of an angle not greater than 30° to vertical</td><td>Yes</td><td>8.0°</td></tr>
<tr><td colspan="2">At least one fall arrest indicator deployed visibly and permanently</td><td>Yes</td><td></td></tr>
</table>
</td><td>PASS</td></tr>
</table>

<table>
<tr><th>Paragraph</th><th>Test Description</th><th>Results</th><th>Compliance</th></tr>
<tr><td>4.3.4</td><td>Dynamic <u>Head First</u> Drop Test:<br><br><u>Test Set-up (Dorsal):</u><br><br>1. Don the harness on the test torso<br>2. Position dorsal attachment bearing point 8 +/- 1 inch below the top of the shoulder (or maximum lowest position)<br>3. If equipped with chest strap (section 4.3.2), locate strap +/-2 inches on torso from datum E figure 5 and 1b of standard<br>4. Attach quick release to the torso crotch, lower torso to remove slack<br>5. Raise torso to predetermined height, release, measure MAF</td><td><table><tr><td colspan="4">Head First DORSAL Attachment Requirements per Section 3.2.1.3.2</td></tr><tr><td>Sample ID:</td><td colspan="3">1</td></tr><tr><td colspan="2">Location of Dorsal Attachment Element</td><td>8</td><td>inches</td></tr><tr><td colspan="2">Drop Height</td><td>6</td><td>ft</td></tr><tr><td colspan="2">Max Arrest Force</td><td>1841</td><td>lbs</td></tr><tr><td colspan="2">Release from the torso</td><td></td><td>No</td></tr><tr><td colspan="2">Support the torso for a period of 5-minutes post fall</td><td>Yes</td><td></td></tr><tr><td colspan="2">Shall support the torso post fall of an angle not greater than 30° to vertical</td><td>Yes</td><td>7.4°</td></tr><tr><td colspan="2">At least one fall arrest indicator deployed visibly and permanently</td><td>Yes</td><td></td></tr></table></td><td>PASS</td></tr>
<tr><td>4.3.4</td><td>Dynamic <u>Head First</u> Drop Test:<br><br><u>Test Set-up (Dorsal):</u><br><br>1. Don the harness on the test torso<br>2. Position dorsal attachment bearing point 8 +/- 1 inch below the top of the shoulder (or maximum lowest position)<br>3. If equipped with chest strap (section 4.3.2), locate strap +/-2 inches on torso from datum E figure 5 and 1b of standard<br>4. Attach quick release to the torso crotch, lower torso to remove slack<br>5. Raise torso to predetermined height, release, measure MAF</td><td><table><tr><td colspan="4">Head First DORSAL Attachment Requirements per Section 3.2.1.3.2</td></tr><tr><td>Sample ID:</td><td colspan="3">2</td></tr><tr><td colspan="2">Location of Dorsal Attachment Element</td><td>8</td><td>inches</td></tr><tr><td colspan="2">Drop Height</td><td>6</td><td>ft</td></tr><tr><td colspan="2">Max Arrest Force</td><td>1908</td><td>lbs</td></tr><tr><td colspan="2">Release from the torso</td><td></td><td>No</td></tr><tr><td colspan="2">Support the torso for a period of 5-minutes post fall</td><td>Yes</td><td></td></tr><tr><td colspan="2">Shall support the torso post fall of an angle not greater than 30° to vertical</td><td>Yes</td><td>7.7°</td></tr><tr><td colspan="2">At least one fall arrest indicator deployed visibly and permanently</td><td>Yes</td><td></td></tr></table></td><td>PASS</td></tr>
<tr><td>4.3.4</td><td>Dynamic <u>Head First</u> Drop Test:<br><br><u>Test Set-up (Dorsal):</u><br><br>1. Don the harness on the test torso<br>2. Position dorsal attachment bearing point 8 +/- 1 inch below the top of the shoulder (or maximum lowest position)<br>3. If equipped with chest strap (section 4.3.2), locate strap +/-2 inches on torso from datum E figure 5 and 1b of standard<br>4. Attach quick release to the torso crotch, lower torso to remove slack<br>5. Raise torso to predetermined height, release, measure MAF</td><td><table><tr><td colspan="4">Head First DORSAL Attachment Requirements per Section 3.2.1.3.2</td></tr><tr><td>Sample ID:</td><td colspan="3">3</td></tr><tr><td colspan="2">Location of Dorsal Attachment Element</td><td>8</td><td>inches</td></tr><tr><td colspan="2">Drop Height</td><td>6</td><td>Ft</td></tr><tr><td colspan="2">Max Arrest Force</td><td>1729</td><td>Lbs</td></tr><tr><td colspan="2">Release from the torso</td><td></td><td>No</td></tr><tr><td colspan="2">Support the torso for a period of 5-minutes post fall</td><td>Yes</td><td></td></tr><tr><td colspan="2">Shall support the torso post fall of an angle not greater than 30° to vertical</td><td>Yes</td><td>8.0°</td></tr><tr><td colspan="2">At least one fall arrest indicator deployed visibly and permanently</td><td>Yes</td><td></td></tr></table></td><td>PASS</td></tr>
</table>

<table>
<tr><th>Paragraph</th><th>Test Description</th><th>Results</th><th>Compliance</th></tr>
<tr><td>4.3.5</td><td>Static <u>Feet First</u> Test:<br><br><u>Test Set-up (Dorsal):</u><br><br>1. Don the harness on the test torso<br>2. Secure crotch of test torso to test equipment<br>3. connect to attachment element<br>4. mark locations of buckles and adjusters<br>5. apply 3,600 lb load and maintain for 1-minute<br>6. Release load and evaluate sample</td><td>
<table>
<tr><td colspan="3">Feet First DORSAL Attachment<br>Requirements per Section 3.2.1.3.3</td></tr>
<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 colspan="2">na</td></tr>
<tr><td>Straps shall show no signs of tearing</td><td>Yes</td><td></td></tr>
</table>
<br>“Slippage through any adjuster shall not exceed 1-inch”</td><td>PASS</td></tr>
<tr><td>4.3.6</td><td>Fall Arrest Indicator Test:<br><br><u>Test Set-up (Dorsal):</u><br><br>1. Don the harness on the test torso<br>2. Position dorsal attachment per the Mfg Instructions.<br>3. Attach quick release to the neck of the test torso<br>4. Attach a Z359.13 compliant 6-foot EAL to the test anchorage<br>5. lower torso until test shackles are straight but no load<br>6. raise torso 24-inches</td><td>
<table>
<tr><td colspan="2">DORSAL Attachment<br>Requirements per Section 3.2.1.3.4</td></tr>
<tr><td>Sample ID:</td><td>1,2,3</td></tr>
<tr><td>At least one fall arrest indicator shall deploy visibly and permanently</td><td>Yes</td></tr>
</table>
</td><td>PASS</td></tr>
</table>

<table>
<tr><th>Paragraph</th><th>Test Description</th><th>Results</th><th>Compliance</th></tr>
<tr><td></td><td colspan="3">“HIP ATTACHMENT”</td></tr>
<tr><td>4.3.5</td><td>Static <u>Feet First</u> Test:<br><br><u>Test Set-up (Hip):</u><br><br>1. Don the harness on the test torso<br>2. Secure crotch of test torso to test equipment<br>3. connect to attachment element<br>4. mark locations of buckles and adjusters<br>5. apply 3,600 lb load and maintain for 1-minute<br>6. Release load and evaluate sample</td><td>
<table>
<tr><td colspan="3">Feet First HIP Attachment<br>Requirements per Section 3.2.6.1.1</td></tr>
<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 colspan="2">Strap tear further than adjacent eyelet adjuster</td><td>na</td></tr>
<tr><td colspan="2">Straps shall show no signs of tearing</td><td>yes</td></tr>
</table>
<br>“Slippage through any adjuster shall not exceed 1-inch”</td><td>PASS</td></tr>
<tr><td colspan="4">“STATIC FEET FIRST TEST FOR LANYARD PARKING ATTACHMENT ELEMENT”</td></tr>
<tr><td>4.3.7</td><td>1) Secure the crotch of the test torso to the static test equipment ensuring the direction of the pull on the attachment simulates a feet first fall<br><br>2) Connect the attachment element to the static test equipment using a test lanyard.<br><br>3) Apply and steadily increase the load until a disengagement load of not more than 120 pounds (0.5 Kn)</td><td>
<table>
<tr><td>Sample ID:</td><td colspan="2">1-3</td></tr>
<tr><td>Sample 1 (break load)</td><td>24</td><td>lbs</td></tr>
<tr><td>Sample 2 (break load)</td><td>23</td><td>lbs</td></tr>
<tr><td>Sample 3 (break load)</td><td>26</td><td>lbs</td></tr>
</table>
</td><td>PASS</td></tr>
</table>

## SECTION 5

**REVISION HISTORY**

| REPORT NUMBER | DATE OF REVISION | DESCRIPTION OF CHANGE: | PROJECT OWNER | REVIEWED BY |
|---|---|---|---|---|
| 105431545CRT-001 | 04/28/2023 | Original Report | Alex Smith | Matthew Stevens |
| 105431545CRT-001 | 08/04/2023 | Report Correction (Model Number & Shared Model Number) | Alex Smith | Matthew Stevens |
| 105529384CRT-011 | 08/10/2023 | Report Extension | Alex Smith | Matthew Stevens |
| 105931908CRT-003 | 08/29/2024 | Report Extension | Alex Smith | Matthew Stevens |
| 105931908CRT-003 | 09/05/2024 | Removed Sternal Data | Alex Smith | Matthew Stevens |

## SECTION 6

**PHOTOGRAPHS**

**UFH10101P**

**UFH10252P**

**UFH10131P**

**UFH10201P**

**UFH10231P**

**UFH10211P**