

Declaration of Conformity

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

Declaration #: DOC-UFH10241G

Declaration Date: 03/15/2024

Item #: UFH10241G

Description: KStrong® Kapture™ Elite 5-Point Full Body Harness, Dorsal D-ring, Front D-ring, Shoulder D-rings, 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):

UFH10241G(S-M)

UFH10241G(M-L)

UFH10241G(L-XL)

UFH10241G(XL-2XL)

UFH10241G(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



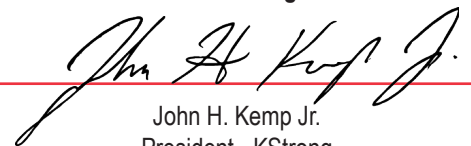
Level 3:

Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2017

Supporting Documentation: KS-Test-UFH10241G.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



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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

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Cortland, NY 13045

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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

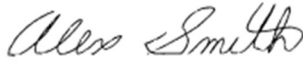

SECTION 1

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.

| | | | |
|--------------------|---|---------------------|--|
| WRITTEN BY: | Alex Smith | REVIEWED BY: | Matthew Stevens |
| TITLE: | Technician | TITLE: | Team Leader |
| SIGNATURE: |  | SIGNATURE: |  |
| DATE: | 03/15/2024 | DATE: | 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 |

Date: March 25, 2024

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Qualification Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| “DORSAL ATTACHMENT” | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3.3 | <p>Dynamic Feet First Drop Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> Don the harness on the test torso Position dorsal attachment per the Mfg Instructions. If equipped with chest strap (section 4.3.2), locate strap +/-2 inches on torso from datum E figure 5 and 1b of standard Determine drop height, attach quick release to the torso neck, lower torso to remove slack, measure height (lowest point of torso to floor) Raise torso to predetermined height, release, measure MAF, measure and record final height | <table border="1"> <thead> <tr> <th colspan="3">Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">1</td> </tr> <tr> <td>Location of Dorsal Attachment Element</td> <td>8</td> <td>inches</td> </tr> <tr> <td>Drop Height</td> <td>3</td> <td>ft</td> </tr> <tr> <td>Max Arrest Force</td> <td>4894</td> <td>lbs</td> </tr> <tr> <td>Hi- initial height</td> <td>112</td> <td>inches</td> </tr> <tr> <td></td> <td>1/2</td> <td></td> </tr> <tr> <td>Hf- final height</td> <td>118</td> <td>inches</td> </tr> <tr> <td></td> <td>1/2</td> <td></td> </tr> <tr> <td>He – Harness Effect (Hi-Hf)</td> <td>6</td> <td>inches</td> </tr> <tr> <td>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>Release from the torso</td> <td></td> <td>no</td> </tr> <tr> <td>Support the torso for a period of 5-minutes post fall</td> <td>Yes</td> <td></td> </tr> <tr> <td>Shall support the torso post fall of an angle not greater than 30° to vertical</td> <td>Yes</td> <td>9.2°</td> </tr> <tr> <td>At least one fall arrest indicator deployed visibly and permanently</td> <td>Yes</td> <td></td> </tr> </tbody> </table> | | | Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1 | | | Sample ID: | 1 | | Location of Dorsal Attachment Element | 8 | inches | Drop Height | 3 | ft | Max Arrest Force | 4894 | lbs | Hi- initial height | 112 | inches | | 1/2 | | Hf- final height | 118 | inches | | 1/2 | | He – Harness Effect (Hi-Hf) | 6 | 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 | 9.2° | At least one fall arrest indicator deployed visibly and permanently | Yes | | 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 | 3 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max Arrest Force | 4894 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hi- initial height | 112 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hf- final height | 118 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| He – Harness Effect (Hi-Hf) | 6 | 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 | 9.2° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At least one fall arrest indicator deployed visibly and permanently | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Date: March 25, 2024

| Paragraph | Test Description | Results | Compliance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|--|--|------------|---|--|---------------------------------------|---|--------|-------------|---|----|------------------|------|-----|--------------------|-----|--------|--|---|--|------------------|-----|--------|--|---|--|-----------------------------|-----|--------|---|----|--------|--|---|--|------------------------|--|----|---|-----|--|--|-----|------|---|-----|--|------|
| 4.3.3 | <p>Dynamic Feet First Drop Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Position dorsal attachment per the Mfg Instructions. 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 4. Determine drop height, attach quick release to the torso neck, lower torso to remove slack, measure height (lowest point of torso to floor) 5. Raise torso to predetermined height, release, measure MAF, measure and record final height | <table border="1"> <thead> <tr> <th colspan="3">Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">2</td> </tr> <tr> <td>Location of Dorsal Attachment Element</td> <td>8</td> <td>inches</td> </tr> <tr> <td>Drop Height</td> <td>3</td> <td>ft</td> </tr> <tr> <td>Max Arrest Force</td> <td>5528</td> <td>lbs</td> </tr> <tr> <td>Hi- initial height</td> <td>112</td> <td>inches</td> </tr> <tr> <td></td> <td>½</td> <td></td> </tr> <tr> <td>Hf- final height</td> <td>119</td> <td>inches</td> </tr> <tr> <td></td> <td>¾</td> <td></td> </tr> <tr> <td>He – Harness Effect (Hi-Hf)</td> <td>7 ¼</td> <td>inches</td> </tr> <tr> <td>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></td> <td>-</td> <td></td> </tr> <tr> <td>Release from the torso</td> <td></td> <td>no</td> </tr> <tr> <td>Support the torso for a period of 5-minutes post fall</td> <td>yes</td> <td></td> </tr> <tr> <td>Shall support the torso post fall of an angle not greater than 30° to vertical</td> <td>yes</td> <td>6.8°</td> </tr> <tr> <td>At least one fall arrest indicator deployed visibly and permanently</td> <td>yes</td> <td></td> </tr> </tbody> </table> | Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1 | | | Sample ID: | 2 | | Location of Dorsal Attachment Element | 8 | inches | Drop Height | 3 | ft | Max Arrest Force | 5528 | lbs | Hi- initial height | 112 | inches | | ½ | | Hf- final height | 119 | inches | | ¾ | | He – Harness Effect (Hi-Hf) | 7 ¼ | 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 | 6.8° | At least one fall arrest indicator deployed visibly and permanently | yes | | PASS |
| Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location of Dorsal Attachment Element | 8 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drop Height | 3 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max Arrest Force | 5528 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hi- initial height | 112 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ½ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hf- final height | 119 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ¾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| He – Harness Effect (Hi-Hf) | 7 ¼ | 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 | 6.8° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At least one fall arrest indicator deployed visibly and permanently | yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3.3 | <p>Dynamic Feet First Drop Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Position dorsal attachment per the Mfg Instructions. 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 4. Determine drop height, attach quick release to the torso neck, lower torso to remove slack, measure height (lowest point of torso to floor) 5. Raise torso to predetermined height, release, measure MAF, measure and record final height | <table border="1"> <thead> <tr> <th colspan="3">Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">3</td> </tr> <tr> <td>Location of Dorsal Attachment Element</td> <td>8</td> <td>inches</td> </tr> <tr> <td>Drop Height</td> <td>3</td> <td>ft</td> </tr> <tr> <td>Max Arrest Force</td> <td>4242</td> <td>lbs</td> </tr> <tr> <td>Hi- initial height</td> <td>112</td> <td>inches</td> </tr> <tr> <td></td> <td>½</td> <td></td> </tr> <tr> <td>Hf- final height</td> <td>120</td> <td>inches</td> </tr> <tr> <td></td> <td>¼</td> <td></td> </tr> <tr> <td>He – Harness Effect (Hi-Hf)</td> <td>7 ¾</td> <td>inches</td> </tr> <tr> <td>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></td> <td></td> <td></td> </tr> <tr> <td>Release from the torso</td> <td></td> <td>no</td> </tr> <tr> <td>Support the torso for a period of 5-minutes post fall</td> <td>yes</td> <td></td> </tr> <tr> <td>Shall support the torso post fall of an angle not greater than 30° to vertical</td> <td>yes</td> <td>8.1°</td> </tr> <tr> <td>At least one fall arrest indicator deployed visibly and permanently</td> <td>yes</td> <td></td> </tr> </tbody> </table> | Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1 | | | Sample ID: | 3 | | Location of Dorsal Attachment Element | 8 | inches | Drop Height | 3 | ft | Max Arrest Force | 4242 | lbs | Hi- initial height | 112 | inches | | ½ | | Hf- final height | 120 | inches | | ¼ | | He – Harness Effect (Hi-Hf) | 7 ¾ | 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 | 8.1° | At least one fall arrest indicator deployed visibly and permanently | yes | | PASS |
| Feet First DORSAL Attachment Requirements per Section 3.2.1.3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location of Dorsal Attachment Element | 8 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drop Height | 3 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max Arrest Force | 4242 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hi- initial height | 112 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ½ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hf- final height | 120 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ¼ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| He – Harness Effect (Hi-Hf) | 7 ¾ | 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 | 8.1° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At least one fall arrest indicator deployed visibly and permanently | yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Paragraph | Test Description | Results | Compliance | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---|--|--|------------|---|--|---------------------------------------|---|--------|-------------|---|----|------------------|------|-----|------------------------|--|----|---|-----|--|--|-----|-------|---|-----|----|------|
| 4.3.4 | <p>Dynamic Head First Drop Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Position dorsal attachment bearing point 8 +/- 1 inch below the top of the shoulder (or maximum lowest position) 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 4. Attach quick release to the torso crotch, lower torso to remove slack 5. Raise torso to predetermined height, release, measure MAF | <table border="1"> <thead> <tr> <th colspan="3">Head First DORSAL Attachment Requirements per Section 3.2.1.3.2</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">1</td> </tr> <tr> <td>Location of Dorsal Attachment Element</td> <td>8</td> <td>inches</td> </tr> <tr> <td>Drop Height</td> <td>6</td> <td>ft</td> </tr> <tr> <td>Max Arrest Force</td> <td>2175</td> <td>lbs</td> </tr> <tr> <td>Release from the torso</td> <td></td> <td>no</td> </tr> <tr> <td>Support the torso for a period of 5-minutes post fall</td> <td>yes</td> <td></td> </tr> <tr> <td>Shall support the torso post fall of an angle not greater than 30° to vertical</td> <td>yes</td> <td>11.2°</td> </tr> <tr> <td>At least one fall arrest indicator deployed visibly and permanently</td> <td>yes</td> <td></td> </tr> </tbody> </table> | Head First DORSAL Attachment Requirements per Section 3.2.1.3.2 | | | Sample ID: | 1 | | Location of Dorsal Attachment Element | 8 | inches | Drop Height | 6 | ft | Max Arrest Force | 2175 | lbs | 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 | 11.2° | At least one fall arrest indicator deployed visibly and permanently | yes | | PASS |
| Head First DORSAL Attachment Requirements per Section 3.2.1.3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location of Dorsal Attachment Element | 8 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drop Height | 6 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max Arrest Force | 2175 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 11.2° | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At least one fall arrest indicator deployed visibly and permanently | yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3.4 | <p>Dynamic Head First Drop Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Position dorsal attachment bearing point 8 +/- 1 inch below the top of the shoulder (or maximum lowest position) 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 4. Attach quick release to the torso crotch, lower torso to remove slack 5. Raise torso to predetermined height, release, measure MAF | <table border="1"> <thead> <tr> <th colspan="3">Head First DORSAL Attachment Requirements per Section 3.2.1.3.2</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">2</td> </tr> <tr> <td>Location of Dorsal Attachment Element</td> <td>8</td> <td>inches</td> </tr> <tr> <td>Drop Height</td> <td>6</td> <td>ft</td> </tr> <tr> <td>Max Arrest Force</td> <td>2800</td> <td>lbs</td> </tr> <tr> <td>Release from the torso</td> <td></td> <td>no</td> </tr> <tr> <td>Support the torso for a period of 5-minutes post fall</td> <td>Yes</td> <td></td> </tr> <tr> <td>Shall support the torso post fall of an angle not greater than 30° to vertical</td> <td>Yes</td> <td>11.5°</td> </tr> <tr> <td>At least one fall arrest indicator deployed visibly and permanently</td> <td>Yes</td> <td></td> </tr> </tbody> </table> | Head First DORSAL Attachment Requirements per Section 3.2.1.3.2 | | | Sample ID: | 2 | | Location of Dorsal Attachment Element | 8 | inches | Drop Height | 6 | ft | Max Arrest Force | 2800 | lbs | 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 | 11.5° | At least one fall arrest indicator deployed visibly and permanently | Yes | | PASS |
| Head First DORSAL Attachment Requirements per Section 3.2.1.3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location of Dorsal Attachment Element | 8 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drop Height | 6 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max Arrest Force | 2800 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 11.5° | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At least one fall arrest indicator deployed visibly and permanently | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3.4 | <p>Dynamic Head First Drop Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Position dorsal attachment bearing point 8 +/- 1 inch below the top of the shoulder (or maximum lowest position) 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 4. Attach quick release to the torso crotch, lower torso to remove slack 5. Raise torso to predetermined height, release, measure MAF | <table border="1"> <thead> <tr> <th colspan="3">Head First DORSAL Attachment Requirements per Section 3.2.1.3.2</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">3</td> </tr> <tr> <td>Location of Dorsal Attachment Element</td> <td>8</td> <td>inches</td> </tr> <tr> <td>Drop Height</td> <td>6</td> <td>ft</td> </tr> <tr> <td>Max Arrest Force</td> <td>2670</td> <td>lbs</td> </tr> <tr> <td>Release from the torso</td> <td></td> <td>no</td> </tr> <tr> <td>Support the torso for a period of 5-minutes post fall</td> <td>yes</td> <td></td> </tr> <tr> <td>Shall support the torso post fall of an angle not greater than 30° to vertical</td> <td>yes</td> <td>12.1°</td> </tr> <tr> <td>At least one fall arrest indicator deployed visibly and permanently</td> <td>yes</td> <td>no</td> </tr> </tbody> </table> | Head First DORSAL Attachment Requirements per Section 3.2.1.3.2 | | | Sample ID: | 3 | | Location of Dorsal Attachment Element | 8 | inches | Drop Height | 6 | ft | Max Arrest Force | 2670 | lbs | 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 | 12.1° | At least one fall arrest indicator deployed visibly and permanently | yes | no | PASS |
| Head First DORSAL Attachment Requirements per Section 3.2.1.3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location of Dorsal Attachment Element | 8 | inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drop Height | 6 | ft | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max Arrest Force | 2670 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 12.1° | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At least one fall arrest indicator deployed visibly and permanently | yes | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Date: March 25, 2024

| Paragraph | Test Description | Results | Compliance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|--|------------|------------|---|-----|------------------------|--|----|---|---|--------|--|---|--------|---|---|--------|--|---|--------|---------------------------------------|---|--------|------------------|----|--------|------------------|----|--------|--|--|----|---------------------------------------|-----|--|------|
| 4.3.5 | <p>Static Feet First Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Secure crotch of test torso to test equipment 3. connect to attachment element 4. mark locations of buckles and adjusters 5. apply 3,600 lb load and maintain for 1-minute 6. Release load and evaluate sample | <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 |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3.6 | <p>Visual Indicator Test:</p> <p><u>Test Set-up (Dorsal):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Position dorsal attachment per the Mfg Instructions. 3. Attach quick release to the neck of the test torso 4. Attach a Z359.13 compliant 6-foot EAL to the test anchorage 5. lower torso until test shackles are straight but no load 6. raise torso 24-inches | <table border="1"> <thead> <tr> <th colspan="2">DORSAL Attachment Requirements per Section 3.2.1.3.4</th> </tr> </thead> <tbody> <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> </tbody> </table> | DORSAL Attachment Requirements per Section 3.2.1.3.4 | | Sample ID: | 1,2,3 | At least one fall arrest indicator shall deploy visibly and permanently | YES | PASS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DORSAL Attachment Requirements per Section 3.2.1.3.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 1,2,3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| At least one fall arrest indicator shall deploy visibly and permanently | YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| “STATIC FEET FIRST TEST FOR HIP /SHOULDER ATTACHMENT ELEMENT” | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3.5 | <p>Static Feet First Test:</p> <p><u>Test Set-up (Hip):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Secure crotch of test torso to test equipment 3. connect to attachment element 4. mark locations of buckles and adjusters 5. apply 3,600 lb load and maintain for 1-minute 6. Release load and evaluate sample | <table border="1"> <thead> <tr> <th colspan="3">Feet First Hip 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 Hip 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 |
| Feet First Hip 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Paragraph | Test Description | Results | Compliance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|--|--|------------|-------|--|----------------------------|----|-----|---|----|--------|---|---|--------|---|---|--------|--|----|--------|---------------------------------------|----|--------|---|----|--------|------------------|----|--------|--|----|-----|---------------------------------------|-----|--|------|
| 4.3.5 | <p>Static Feet First Test:</p> <p><u>Test Set-up (Shoulder):</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Secure crotch of test torso to test equipment 3. connect to attachment element 4. mark locations of buckles and adjusters 5. apply 3,600 lb load and maintain for 1-minute 6. Release load and evaluate sample | <table border="1"> <thead> <tr> <th colspan="3">Feet First Shoulder 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 Shoulder 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 |
| Feet First Shoulder 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3.7 | <p>Static Feet First Test:</p> <p><u>Test Set-up:</u></p> <ol style="list-style-type: none"> 1. Don the harness on the test torso 2. Secure crotch of test torso to test equipment 3. connect to attachment element 4. apply steady load until connection between lanyard parking attachment and test lanyard separate 6. Record maximum force applied | <table border="1"> <thead> <tr> <th colspan="3">Static Feet First Requirements per Section 3.1.12</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">1</td> </tr> <tr> <td>Maximum disengagement load</td> <td>93</td> <td>lbs</td> </tr> <tr> <td>Load exceed 120 lbs</td> <td colspan="2">no</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Static Feet First Requirements per Section 3.1.12</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">2</td> </tr> <tr> <td>Maximum disengagement load</td> <td>99</td> <td>lbs</td> </tr> <tr> <td>Load exceed 120 lbs</td> <td colspan="2">no</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Static Feet First Requirements per Section 3.1.12</th> </tr> </thead> <tbody> <tr> <td>Sample ID:</td> <td colspan="2">3</td> </tr> <tr> <td>Maximum disengagement load</td> <td>95</td> <td>lbs</td> </tr> <tr> <td>Load exceed 120 lbs</td> <td colspan="2">no</td> </tr> </tbody> </table> | Static Feet First Requirements per Section 3.1.12 | | | Sample ID: | 1 | | Maximum disengagement load | 93 | lbs | Load exceed 120 lbs | no | | Static Feet First Requirements per Section 3.1.12 | | | Sample ID: | 2 | | Maximum disengagement load | 99 | lbs | Load exceed 120 lbs | no | | Static Feet First Requirements per Section 3.1.12 | | | Sample ID: | 3 | | Maximum disengagement load | 95 | lbs | Load exceed 120 lbs | no | | PASS |
| Static Feet First Requirements per Section 3.1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum disengagement load | 93 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Load exceed 120 lbs | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Static Feet First Requirements per Section 3.1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum disengagement load | 99 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Load exceed 120 lbs | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Static Feet First Requirements per Section 3.1.12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID: | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum disengagement load | 95 | lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Load exceed 120 lbs | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | “Marking and Instructions” | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.1 | Marking Requirements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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

| Paragraph | Test Description | Results | Compliance | | | |
|-----------|---|----------|------------|-----|----|----|
| 5.1.3 | Full Body Harnesses shall be marked with the following: | | PASS | | | |
| | Marking | Comments | | YES | NO | NA |
| | Materials of Construction | | | X | | |
| | Size or range of sizes | | | X | | |
| | Part number and model designation | | | X | | |
| | Year of manufacture | | | X | | |
| | Manufacturer's name or logo | | | X | | |
| | Warning to follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer | | | X | | |
| | A label permanently attached to the lanyard parking attachment which states, "Park Lanyard Here", See Instructions | | | X | | |
| | A label as defined in figure 10a & 10b of the standard | | X | | | |
| 5.2 | Instructions Requirements | | | | | |
| 5.2.1 | Instructions shall be in English, and affixed to the equipment at time of shipment from the manufacturer | | PASS | | | |
| 5.2.2 | Instructions shall contain the following information: | | PASS | | | |
| | 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 | | | |
| 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 and will include information on inspection of load indicators | | PASS | | | |
| 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

