

# Declaration of Conformity

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



Alexander Andrew, Inc. 1306 S. Alameda St Compton, CA 90221 (800) 719-4619

|               |           |                  |           |
|---------------|-----------|------------------|-----------|
| Declaration # | B1215059r | Declaration Date | 3/10/2025 |
|---------------|-----------|------------------|-----------|

|               |  |
|---------------|--|
| Tested Item # | <b>8073RFDM Arc Flash Nomex Construction Climbing FBH Medium 3D w/RSQ Loops MB Legs/MB Chest</b> |
|---------------|--|

| Additional Items Conforming Under this Declaration: |             |            |             |             |              |             |             |
|---|-------------|------------|-------------|-------------|--------------|-------------|-------------|
| 8073RFDs  | 8073RFDL    | 8073RFDXL  | 8073FDS     | 8073FDM     | 8073FDL      | 8073FDXL    | 8073RS      |
| 8073RM  | 8073RL      | 8073RXL    | 8073R2X     | 8073R3X     | 8073R4X      | 8073S       | 8073M       |
| 8073L   | 8073XL      | 8073QCS    | 8073QCM     | 8073QCL     | 8073QCXL     | 8073QC2X    | 8073QC3X    |
| 8073FDQCXS  | 8073FDQCS   | 8073FDQCM  | 8073FDQCL   | 8073FDQCXL  | 8073FDQC2X   | 8073FDQC3X  | 8074FDQCXS  |
| 8074FDQCS   | 8074FDQCM   | 8074FDQCL  | 8074FDQCXL  | 8074FDQ2X   | 8074FDQC3X   | 8077FDQCXS  | 8077FDQCS   |
| 8077FDQCM   | 8077FDQCL   | 8077FDQCXL | 8077FDQC2X  | 8077FDQC3X  | 8078FDQCXS   | 8078FDQCS   | 8078FDQCM   |
| 8078FDQCL   | 8078FDQCXL  | 8078FDQC2X | 8078FDQC3X  | 8079FDQCXS  | 8079FDQCS    | 8079FDQCM   | 8079FDQCL   |
| 8079FDQCXL  | 8079FDQC2X  | 8079FDQC3X | 8073BFDQCXS | 8073BFDQCS  | 8073BFDQCM   | 8073BFDQCL  | 8073BFDQCXL |
| 8073BFDQC2X   | 8073BFDQC3X | 80773DQCXS | 80773DQCS   | 80773DQCM   | 80773DQCL    | 80773DQCXL  | 80773DQC2X  |
| 80773DQC3X  | 80803DQCXS  | 80803DQCS  | 80803DQCM   | 80803DQCL   | 80803DQCXL   | 80803DQC2X  | 80803DQC3X  |
| 8077B4DQCXS   | 8077B4DQCS  | 8077B4DQCM | 8077B4DQCL  | 8077B4DQCXL | 8077B74DQC2X | 8077B4DQC3X | 8048AFS     |
| 8048AFM   | 8048AFL     | 8048AFXL   | 8048AF2X    | 8049AFXS    | 8049AFS      | 8049AFM     | 8049AFL     |
| 8049AFXL  | 8049AF2X    | 8049AF3X   | 8077CFDQC2X | 8077CFDQC3X | 8077CFDQCL   | 8077CFDQCM  | 8077CFDQCS  |
| 8077CFDQCXL   | 8077CFDQCXS |            |             |             |              |             |             |

Alexander Andrew, Inc. declares that the product(s) listed above is in conformity with the requirements of the following product standard(s):

**ANSI Z359.11-2014 & ASTM F887**

Conformity Assessment Method in accordance with ANSI/ISEA 125-2014

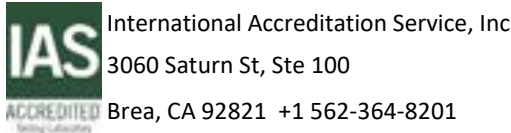
Level 1       Level 2       Level 3

|   |  |   |
|---|--|---|
| <b>Level 1:</b> FallTech Lab<br>Outside the Scope of<br>ISO/IEC Standard 17025:2005 | <b>Level 2:</b> FallTech Lab<br>Within the Scope of<br>ISO/IEC Standard 17025:2005 | <b>Level 3:</b> Independent 3rd Party Lab<br>accredited to<br>ISO/IEC Standard 17025:2005 |
|---|--|---|

|                          |  |
|--------------------------|--|
| Supporting Documentation | PC-0762    PC-0762HF    K-418809-1509H13-R00 |
|--------------------------|--|

**Authorized Signature**

Name Zachary Winters Title Engineering Manager Date 3/10/2025



FallTech Lab - TL-594  
ISO/IEC 17025:2017  
Alexander Andrew Inc dba FallTech

## FallTech Test Report

|                            |               |                           |  |                      |           |                 |  |
|----------------------------|---------------|---------------------------|--|----------------------|-----------|-----------------|--|
| <b>Test Report Number</b>  | PC-0762       | <b>Date</b>               | 12/23/2015   | <b>Rev</b>           |           | <b>Rev Date</b> |  |
| <b>Report Prepared For</b> | FallTech      |                           |  |                      |           |                 |  |
| <b>Initiated By</b>        | Dan Redden    | <b>Test Specification</b> | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |                      |           |                 |  |
| <b>Base Part #</b>         | 8073RFD       | <b>Description</b>        | Full Body Harness  |                      |           |                 |  |
| <b>Proposed Part #</b>     | N/A           | <b>Built By Whom</b>      | Production   | <b>BOM</b>           | NO        |                 |  |
| <b>Test Request #</b>      | PC-0762       | <b>Date Received</b>      | 11/10/2015   | <b>Date Complete</b> | 12/1/2015 |                 |  |
| <b>Test Operator</b>       | Yesbet Sierra | <b>Test Operator</b>      | Oscar Jaramillo  |                      |           |                 |  |

## Material/Sample Identification

| Sample ID | Description       |
|-----------|-------------------|
| 2613393   | Full Body Harness |
| 2613383   | Full Body Harness |
| 2613382   | Full Body Harness |
| 2613384   | Full Body Harness |
| 2613376   | Full Body Harness |
| 2613386   | Full Body Harness |
| 2613388   | Full Body Harness |
| 2613387   | Full Body Harness |
| 2613394   | Full Body Harness |
| 2613378   | Full Body Harness |
| 2613389   | Full Body Harness |
| 2613364   | Full Body Harness |
| 2613385   | Full Body Harness |
| 2613380   | Full Body Harness |
| 2613381   | Full Body Harness |
| 2613390   | Full Body Harness |
| 2613373   | Full Body Harness |
| 2613375   | Full Body Harness |
| 2613392   | Full Body Harness |
| 2613377   | Full Body Harness |
| 2613372   | Full Body Harness |

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*FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.*



## FallTech Test Report

|                            |            |                           |  |                      |           |                 |  |
|----------------------------|------------|---------------------------|--|----------------------|-----------|-----------------|--|
| <b>Test Report Number</b>  | PC-0762    | <b>Date</b>               | 12/23/2015   | <b>Rev</b>           |           | <b>Rev Date</b> |  |
| <b>Report Prepared For</b> | FallTech   |                           |  |                      |           |                 |  |
| <b>Initiated By</b>        | Dan Redden | <b>Test Specification</b> | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |                      |           |                 |  |
| <b>Base Part #</b>         | 8073RFD    | <b>Description</b>        | Full Body Harness  |                      |           |                 |  |
| <b>Proposed Part #</b>     | N/A        | <b>Built By Whom</b>      | Production   | <b>BOM</b>           | NO        |                 |  |
| <b>Test Request #</b>      | PC-0762    | <b>Date Received</b>      | 11/10/2015   | <b>Date Complete</b> | 12/1/2015 |                 |  |

### Test Summary

| Test Specification         | Test Criteria                   |   | Test Result     | Pass/Fail |
|----------------------------|---------------------------------|---|-----------------|-----------|
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Dorsal D-ring) | 3600 Lbf ≥ 1 Minute                         | 3647.7 Lbf      | Pass      |
|                            | Static Strength (Dorsal D-ring) | Harness shall not release Test Torso        | Did Not Release | Pass      |
|                            | Adjuster Slippage               | Slippage ≤ 1"                               | 0.0"            | Pass      |
|                            | Tear Distance                   | Shall not tear further than adjacent eyelet | Did Not Tear    | Pass      |
|                            | Tearing                         | Straps shall not show any signs of tearing  | Did Not Tear    | Pass      |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Dorsal D-ring) | 3600 Lbf ≥ 1 Minute                         | 3635.1 Lbf      | Pass      |
|                            | Static Strength (Dorsal D-ring) | Harness shall not release Test Torso        | Did Not Release | Pass      |
|                            | Adjuster Slippage               | Slippage ≤ 1"                               | 0.0"            | Pass      |
|                            | Tear Distance                   | Shall not tear further than adjacent eyelet | Did Not Tear    | Pass      |
|                            | Tearing                         | Straps shall not show any signs of tearing  | Did Not Tear    | Pass      |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Dorsal D-ring) | 3600 Lbf ≥ 1 Minute                         | 3635.7 Lbf      | Pass      |
|                            | Static Strength (Dorsal D-ring) | Harness shall not release Test Torso        | Did Not Release | Pass      |
|                            | Adjuster Slippage               | Slippage ≤ 1"                               | 0.0"            | Pass      |
|                            | Tear Distance                   | Shall not tear further than adjacent eyelet | Did Not Tear    | Pass      |
|                            | Tearing                         | Straps shall not show any signs of tearing  | Did Not Tear    | Pass      |

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## FallTech Test Report

| Test Report Number         | PC-0762                          | Date  | 12/23/2015   | Rev           |           | Rev Date |  |
|----------------------------|----------------------------------|---|--|---------------|-----------|----------|--|
| Report Prepared For        | FallTech                         |   |  |               |           |          |  |
| Initiated By               | Dan Redden                       | Test Specification                          | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |               |           |          |  |
| Base Part #                | 8073RFD                          | Description                                 | Full Body Harness  |               |           |          |  |
| Proposed Part #            | N/A                              | Built By Whom                               | Production   | BOM           | NO        |          |  |
| Test Request #             | PC-0762                          | Date Received                               | 11/10/2015   | Date Complete | 12/1/2015 |          |  |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Sternal D-ring) | 3600 Lbf ≥ 1 Minute                         | 3634.7 Lbf   | Pass          |           |          |  |
|                            | Static Strength (Sternal D-ring) | Harness shall not release Test Torso        | Did Not Release  | Pass          |           |          |  |
|                            | Adjuster Slippage                | Slippage ≤ 1"                               | 0.0"   | Pass          |           |          |  |
|                            | Tear Distance                    | Shall not tear further than adjacent eyelet | Did Not Tear   | Pass          |           |          |  |
|                            | Tearing                          | Straps shall not show any signs of tearing  | Did Not Tear   | Pass          |           |          |  |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Sternal D-ring) | 3600 Lbf ≥ 1 Minute                         | 3651.4 Lbf   | Pass          |           |          |  |
|                            | Static Strength (Sternal D-ring) | Harness shall not release Test Torso        | Did Not Release  | Pass          |           |          |  |
|                            | Adjuster Slippage                | Slippage ≤ 1"                               | 0.0"   | Pass          |           |          |  |
|                            | Tear Distance                    | Shall not tear further than adjacent eyelet | Did Not Tear   | Pass          |           |          |  |
|                            | Tearing                          | Straps shall not show any signs of tearing  | Did Not Tear   | Pass          |           |          |  |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Sternal D-ring) | 3600 Lbf ≥ 1 Minute                         | 3656.3 Lbf   | Pass          |           |          |  |
|                            | Static Strength (Sternal D-ring) | Harness shall not release Test Torso        | Did Not Release  | Pass          |           |          |  |
|                            | Adjuster Slippage                | Slippage ≤ 1"                               | 0.0"   | Pass          |           |          |  |
|                            | Tear Distance                    | Shall not tear further than adjacent eyelet | Did Not Tear   | Pass          |           |          |  |
|                            | Tearing                          | Straps shall not show any signs of tearing  | Did Not Tear   | Pass          |           |          |  |

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|----------------------------|-------------------------------|---|--|---------------|-----------|----------|--|
| Report Prepared For        | FallTech                      |   |  |               |           |          |  |
| Initiated By               | Dan Redden                    | Test Specification                          | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |               |           |          |  |
| Base Part #                | 8073RFD                       | Description                                 | Full Body Harness  |               |           |          |  |
| Proposed Part #            | N/A                           | Built By Whom                               | Production   | BOM           | NO        |          |  |
| Test Request #             | PC-0762                       | Date Received                               | 11/10/2015   | Date Complete | 12/1/2015 |          |  |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Side D-ring) | 3600 Lbf ≥ 1 Minute                         | 3657.3 Lbf   | Pass          |           |          |  |
|                            | Static Strength (Side D-ring) | Harness shall not release Test Torso        | Did Not Release  | Pass          |           |          |  |
|                            | Adjuster Slippage             | Slippage ≤ 1"                               | 0.0"   | Pass          |           |          |  |
|                            | Tear Distance                 | Shall not tear further than adjacent eyelet | Did Not Tear   | Pass          |           |          |  |
|                            | Tearing                       | Straps shall not show any signs of tearing  | Did Not Tear   | Pass          |           |          |  |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Side D-ring) | 3600 Lbf ≥ 1 Minute                         | 3687.9 Lbf   | Pass          |           |          |  |
|                            | Static Strength (Side D-ring) | Harness shall not release Test Torso        | Did Not Release  | Pass          |           |          |  |
|                            | Adjuster Slippage             | Slippage ≤ 1"                               | 0.0"   | Pass          |           |          |  |
|                            | Tear Distance                 | Shall not tear further than adjacent eyelet | Did Not Tear   | Pass          |           |          |  |
|                            | Tearing                       | Straps shall not show any signs of tearing  | Did Not Tear   | Pass          |           |          |  |
| ANSI Z359.11-2014<br>4.3.5 | Static Strength (Side D-ring) | 3600 Lbf ≥ 1 Minute                         | 3637.1 Lbf   | Pass          |           |          |  |
|                            | Static Strength (Side D-ring) | Harness shall not release Test Torso        | Did Not Release  | Pass          |           |          |  |
|                            | Adjuster Slippage             | Slippage ≤ 1"                               | 0.0"   | Pass          |           |          |  |
|                            | Tear Distance                 | Shall not tear further than adjacent eyelet | Did Not Tear   | Pass          |           |          |  |
|                            | Tearing                       | Straps shall not show any signs of tearing  | Did Not Tear   | Pass          |           |          |  |

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## FallTech Test Report

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|----------------------------|-----------------------------------|--|--|---------------|-----------|----------|--|
| Report Prepared For        | FallTech                          |  |  |               |           |          |  |
| Initiated By               | Dan Redden                        | Test Specification   | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |               |           |          |  |
| Base Part #                | 8073RFD                           | Description  | Full Body Harness  |               |           |          |  |
| Proposed Part #            | N/A                               | Built By Whom  | Production   | BOM           | NO        |          |  |
| Test Request #             | PC-0762                           | Date Received  | 11/10/2015   | Date Complete | 12/1/2015 |          |  |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance Dorsal D-ring | Peak Impact Load $\geq 3,600$ Lbf  | 7296.7 Lbf   | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Harness Shall Not Release Test Torso   | Did Not Release  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Remain Suspended for $\geq 5$ Minutes  | 5 Minutes  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Angle at Rest $\leq 30^\circ$  | 5.45°  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently | Visibly and Permanently Deployed                             | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Harness Stretch Shall Not Exceed 18"   | 8.88"  | Pass          |           |          |  |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance Dorsal D-ring | Peak Impact Load $\geq 3,600$ Lbf  | 6439.8 Lbf   | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Harness Shall Not Release Test Torso   | Did Not Release  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Remain Suspended for $\geq 5$ Minutes  | 5 Minutes  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Angle at Rest $\leq 30^\circ$  | 1.15°  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently | Visibly and Permanently Deployed                             | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring | Harness Stretch Shall Not Exceed 18"   | 9.84"  | Pass          |           |          |  |

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|----------------------------|------------------------------------|--|--|---------------|-----------|----------|--|
| Report Prepared For        | FallTech                           |  |  |               |           |          |  |
| Initiated By               | Dan Redden                         | Test Specification   | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |               |           |          |  |
| Base Part #                | 8073RFD                            | Description  | Full Body Harness  |               |           |          |  |
| Proposed Part #            | N/A                                | Built By Whom  | Production   | BOM           | NO        |          |  |
| Test Request #             | PC-0762                            | Date Received  | 11/10/2015   | Date Complete | 12/1/2015 |          |  |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance Dorsal D-ring  | Peak Impact Load $\geq 3,600$ Lbf  | 7624.9 Lbf   | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring  | Harness Shall Not Release Test Torso   | Did Not Release  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring  | Remain Suspended for $\geq 5$ Minutes  | 5 Minutes  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring  | Angle at Rest $\leq 30^\circ$  | 2.40°  | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring  | At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently | Visibly and Permanently Deployed                             | Pass          |           |          |  |
|                            | Dynamic Performance Dorsal D-ring  | Harness Stretch Shall Not Exceed 18"   | 11.40"   | Pass          |           |          |  |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance Sternal D-ring | Peak Impact Load $\geq 3,600$ Lbf  | 3528.7 Lbf   | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Harness Shall Not Release Test Torso   | Did Not Release  | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Remain Suspended for $\geq 5$ Minutes  | 5 Minutes  | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Angle at Rest $\leq 30^\circ$  | 23.45°   | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently | Visibly and Permanently Deployed                             | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Harness Stretch Shall Not Exceed 18"   | 14.64"   | Pass          |           |          |  |

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|----------------------------|------------------------------------|--|--|---------------|-----------|----------|--|
| Report Prepared For        | FallTech                           |  |  |               |           |          |  |
| Initiated By               | Dan Redden                         | Test Specification   | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |               |           |          |  |
| Base Part #                | 8073RFD                            | Description  | Full Body Harness  |               |           |          |  |
| Proposed Part #            | N/A                                | Built By Whom  | Production   | BOM           | NO        |          |  |
| Test Request #             | PC-0762                            | Date Received  | 11/10/2015   | Date Complete | 12/1/2015 |          |  |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance Sternal D-ring | Peak Impact Load $\geq 3,600$ Lbf  | 3540.3 Lbf   | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Harness Shall Not Release Test Torso   | Did Not Release  | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Remain Suspended for $\geq 5$ Minutes  | 5 Minutes  | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Angle at Rest $\leq 30^\circ$  | 21.80°   | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently | Visibly and Permanently Deployed                             | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Harness Stretch Shall Not Exceed 18"   | 13.68"   | Pass          |           |          |  |
| ANSI Z359.11-2014<br>4.3.3 | Dynamic Performance Sternal D-ring | Peak Impact Load $\geq 3,600$ Lbf  | 4232.8 Lbf   | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Harness Shall Not Release Test Torso   | Did Not Release  | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Remain Suspended for $\geq 5$ Minutes  | 5 Minutes  | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Angle at Rest $\leq 30^\circ$  | 23.90°   | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | At Least One Fall Arrest Indicator Shall Be Deployed Visibly and Permanently | Visibly and Permanently Deployed                             | Pass          |           |          |  |
|                            | Dynamic Performance Sternal D-ring | Harness Stretch Shall Not Exceed 18"   | 11.40"   | Pass          |           |          |  |

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|                            |   |   |  |                      |           |                 |  |
|----------------------------|---|---|--|----------------------|-----------|-----------------|--|
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| <b>Report Prepared For</b> | FallTech                                |   |  |                      |           |                 |  |
| <b>Initiated By</b>        | Dan Redden                              | <b>Test Specification</b>   | ANSI Z359.11-2014 4.3.5, 4.3.3, 4.3.6, 4.3.7<br>ASTM F887-13 |                      |           |                 |  |
| <b>Base Part #</b>         | 8073RFD                                 | <b>Description</b>  | Full Body Harness  |                      |           |                 |  |
| <b>Proposed Part #</b>     | N/A                                     | <b>Built By Whom</b>  | Production   | <b>BOM</b>           | NO        |                 |  |
| <b>Test Request #</b>      | PC-0762                                 | <b>Date Received</b>  | 11/10/2015   | <b>Date Complete</b> | 12/1/2015 |                 |  |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator<br>Dorsal D-ring  | At Least One Fall Arrest<br>Indicator Shall Be<br>Deployed Visibly and<br>Permanently | Visibly and Permanently<br>Deployed                          | Pass                 |           |                 |  |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator<br>Dorsal D-ring  | At Least One Fall Arrest<br>Indicator Shall Be<br>Deployed Visibly and<br>Permanently | Visibly and Permanently<br>Deployed                          | Pass                 |           |                 |  |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator<br>Dorsal D-ring  | At Least One Fall Arrest<br>Indicator Shall Be<br>Deployed Visibly and<br>Permanently | Visibly and Permanently<br>Deployed                          | Pass                 |           |                 |  |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator<br>Sternal D-ring | At Least One Fall Arrest<br>Indicator Shall Be<br>Deployed Visibly and<br>Permanently | Visibly and Permanently<br>Deployed                          | Pass                 |           |                 |  |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator<br>Sternal D-ring | At Least One Fall Arrest<br>Indicator Shall Be<br>Deployed Visibly and<br>Permanently | Visibly and Permanently<br>Deployed                          | Pass                 |           |                 |  |
| ANSI Z359.11-2014<br>4.3.6 | Fall Arrest Indicator<br>Sternal D-ring | At Least One Fall Arrest<br>Indicator Shall Be<br>Deployed Visibly and<br>Permanently | Visibly and Permanently<br>Deployed                          | Pass                 |           |                 |  |
| ANSI Z359.11-2014<br>4.3.7 | Lanyard Parking<br>Attachment Element   | Disengagement load<br>< 120 Lbf   | Previously tested and<br>Passed under PC-0761                | Pass                 |           |                 |  |

#### Conclusion

FallTech P/N 8073RFD meets the requirements of ANSI Z359.11-2014 and ASTM F887-13.

#### Report Signatories and Approval

|                            |                      |             |            |
|----------------------------|----------------------|-------------|------------|
| <b>Lab Quality Manager</b> | <i>Gay Spornholz</i> | <b>Date</b> | 12/23/2015 |
|----------------------------|----------------------|-------------|------------|

|                     |                         |             |          |
|---------------------|-------------------------|-------------|----------|
| <b>Witnessed by</b> | <i>M.A. [Signature]</i> | <b>Date</b> | 12/29/15 |
|---------------------|-------------------------|-------------|----------|



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-IAC/AP Communique dated January 2009).

FallTech Testing Laboratory allows for a +/- 5% tolerance on dynamic performance and static strength test results.





Test Performed for  
ArcWear.com  
Louisville, KY 40223  
[www.ArcWear.com](http://www.ArcWear.com)

Personal Climbing Equipment provided by  
**FallTech**  
**1306 S Alameda St**  
**Compton, CA 90221**  
**800.719.4619**

**8073RFDM, Full Body Harness**

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ASTM F887-13 Standard Specifications for Personal Climbing Equipment  
Section 22, Electric Arc Performance Evaluation

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**Kinectrics Inc. Report No.: K-418809-1509H13-R00**

Item received: September 23, 2015

Test Date: September 23, 2015

Client representative: Hugh Hoagland \_\_\_\_\_  
ArcWear

Prepared by: Andrew Haines \_\_\_\_\_  
Technologist  
Kinectrics Inc

Approved by: Claude Maurice \_\_\_\_\_  
Laboratory Manager, HCL  
Kinectrics Inc

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Note about this report

- The test performed does not apply to electrical contact or electrical shock hazard
- The test result is applicable only to the Test Item, other material or color may have a different response.
- The findings of this report are based on the current test method as described in the Reference Standard
- It is assumed that the information supplied by the client was valid and complete

Kinectrics Inc., 800 Kipling Avenue, Toronto, Ontario, Canada, M8Z 6C4  
Tel: 416-207-6305, FAX: 416-207-5717  
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## Electric Arc Exposure Test Report

### **Test Description**

*Harnesses*- The test program requires the specimens be placed on mannequins as normally worn. A minimum of six samples are tested, three samples with the front facing the arc and three samples with the back side toward the arc. The mannequin is positioned as to have the arc centered on the chest for front facing exposure and centered on the fall arrest attachment for the back facing exposure.

*Harness accessories, loops etc.* - Three specimens of each accessory or loop are required to be exposed to the arc. These may be attached webbing or other suitable means to allow the item to be held against the mannequin or panel at a distance of 30.5 cm (12 inches).

*Shock Absorbing Lanyard* - Three specimens of each lanyard are required to be exposed to the arc. These are placed over the shoulder and held against the mannequin or panel at a distance of 30.5 cm (12 inches). Several lanyards may be tested at one time on the same mannequin.

### **Test Requirements**

The test standard requires that the finished personal climbing equipment be exposed to a level of  $40 \pm 5$  cal/cm<sup>2</sup>. In the case where the arc exposure is out of range of the standard, extra samples may be performed if available. There shall be no ignition of any component, no greater than 5 seconds afterflame and no melting and dripping of any materials.

As proof of performance following the arc exposure, the exposed test specimens shall be subjected to a drop test per ANSI Z359.1 or Z349.13 as applicable. This shall be done as soon as practically possible. ArcWear has arranged to have the test items returned to the client or other laboratory to perform the drop test.

### **Results and Observations**

The following test data was recorded for each trial:

- Arc exposure electrical conditions: arc trial number, RMS arc current, arc voltage, arc duration, energy dissipated in arc, plots of arc current and arc voltage
- Average incident energy from monitors.
- Photographs of exposed samples before and after exposure
- Video recording during and immediately after the exposure to record after-flame
- Examination of the samples after the test for evidence of ignition, melting and dripping or any other material problems.

The essential test data and test results with a representative photograph of the samples are presented in the following pages. The observations are performed by a qualified observer that has knowledge of behavior of materials in an arc exposure and in depth knowledge of arc testing specifications and requirements.

### **Quality Management**

The arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada (SCC) to conform to the requirements of CAN-P-4E (ISO/IEC 17025:2005). Accreditation by the Standards Council of Canada (SCC) is a mark of competence and reliability recognized throughout the world.

**Sample description:** Full Body Harness  
**Sample identification:** 8073RFDM  
**Material of webbing:** Nomex

| <b>Trial # 15-6260</b>  |                    |                   |
|-------------------------|--------------------|-------------------|
| Mannequin               | A – front exposure | B – back exposure |
| Item Serial #           | N/A                | N/A               |
| Ei, cal/cm <sup>2</sup> | 42.2               | 40.3              |
| Afterflame              | 1                  | 1                 |
| Ignition                | N                  | N                 |
| Melting and dripping    | N                  | N                 |
| Comment                 | Pass               | Pass              |
| <b>Trial # 15-6262</b>  |                    |                   |
| Mannequin               | A – front exposure | B – back exposure |
| Item Serial #           | N/A                | N/A               |
| Ei, cal/cm <sup>2</sup> | 42.8               | 41.0              |
| Afterflame              | 1                  | 1                 |
| Ignition                | N                  | N                 |
| Melting and dripping    | N                  | N                 |
| Comment                 | Pass               | Pass              |
| <b>Trial # 15-6263</b>  |                    |                   |
| Mannequin               | A – front exposure | B – back exposure |
| Item Serial #           | N/A                | N/A               |
| Ei, cal/cm <sup>2</sup> | 44.0               | 39.7              |
| Afterflame              | 1.5                | 1.0               |
| Ignition                | N                  | N                 |
| Melting and dripping    | N                  | N                 |
| Comment                 | Pass               | Pass              |

**Conclusions**

The 8073RFDM Full Body Harness has met the no melting, no dripping, no ignition criteria of ASTM F887-13 section 22.8. In order to satisfy the Electric Arc Performance requirements in accordance with section 22 of the standard, the test specimens must pass the specified drop test following arc exposure.