



The Safety Company

1000 Cranberry Woods Drive,
Cranberry Township, PA 16066

MSA Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014

IAC-23-068 - Z04 Rev 7

Statement of Conformity: MSA declares that the
V-SERIES EA Web Lanyards
is in conformity with the requirements of
ANSI Z359.13-2013

Table with 2 columns: Product Code, Model / Part Numbers Covered. Product Code: IAC-23-068. Model / Part Numbers Covered: 6 ft. Free Fall (EL/ST/1/A/NT-ANSI, EL/ST/2/A/NT-ANSI, EL/ST/1/F/TB-ANSI, EL/ST/2/F/TB-ANSI, EL/ST/1/F/NT-ANSI, EL/ST/2/F/NT-ANSI, ME/ST/1/F/TB-ANSI, ME/ST/2/F/TB-ANSI, ME/ST/1/A/TB-ANSI, ME/ST/2/A/TB-ANSI, EX/ST/1/F/NT-ANSI, EX/ST/2/F/NT-ANSI, KV/ST/1/F/NT-ANSI, KV/ST/2/F/NT-ANSI, AC/ST/1/F/NT-ANSI, AC/ST/2/F/NT-ANSI, EA/ST-ANSI) and 12 ft. Free Fall (EL/12/1/A/NT-ANSI, EL/12/2/A/NT-ANSI, EL/12/1/F/NT-ANSI, EL/12/2/F/NT-ANSI, ME/12/1/F/TB-ANSI, ME/12/2/F/TB-ANSI, ME/12/1/A/TB-ANSI, ME/12/2/A/TB-ANSI, EX/12/1/F/NT-ANSI, EX/12/2/F/NT-ANSI, AC/12/1/F/NT-ANSI, AC/12/2/F/NT-ANSI, EA/12-ANSI)

ANSI/ISEA 125-2014 conformity assessment method: [] Level 1 [X] Level 2

For Level 2, information about ISO 17025-accredited facility in which the product was tested:

[X] The test facility is an independent 3rd Party ISO 17025-accredited facility.

[X] The test facility is owned or partially owned by an entity within supplier's corporate structure, or within the manufacturing stream for this product, including subcontractors and sub-suppliers.

ISO Accrediting Agency: ANAB ANSI National Accreditation Board

Table with 3 columns: Report, Test Facility Used, Test Facility Document #. Report 1: FPLab, 10191755-AFL20180924 (0830; 0845; 0900). Report 2: FPLab, 10191755-DPL20180924 (1427; 1424; 1434).

3	FPLab	10191755-DPL20180924 (1239; 1233; 1245)-Cold
4	FPLab	10191755-DPL20180924 (1334; 1330; 1338)-Hot
5	FPLab	10191755-DPL20180924 (1643; 1640; 1649)-Wet
6	FPLab	10191755-SSS20180927 (0850; 0842; 0830)
7	FPLab	10193129-DPL20180924 (1622;1616; 1628)-Dual
8	FPLab	10193129 SSS20180926 (1525; 1502; 1535)-Misuse
9	FPLab	10193129 SSS20180926 (1158; 1055; 1120)-WA
10	FPLab	10193129-DPL20180924 (1052; 1125; 1146)-Y
11	FPLab	10193553 DPL20180925(1404; 1558; 1609)-Dual
12	FPLab	10193553 SSS20180926 (1714; 1700; 1730)-Misuse
13	FPLab	10193748 AFL20180924 (0946; 0956; 0936)
14	FPLab	10193748 DPL20180924 (1348; 1406; 1358)
15	FPLab	10193748 DPL20180924 (1701; 1656; 1706)-Wet
16	FPLab	10193748 DPL20180925 (1405; 1356; 1408)-Hot
17	FPLab	10193748 DPL20180925 (1318; 1314; 1322)-Cold
18	FPLab	10193748 SSS20180927 (0946; 0955; 0930)
19	FPLab	DPL20180924 (1515, 1503, 1508)
20	FPLab	DPL20180924 (1558, 1547, 1552)
21	FPLab	SSS20180926 (1630, 1615, 1645)
22	FPLab	SSS20180926 (1340, 1423, 1403)
23	FPLab	SSS20180927 (1038, 1010, 1023)
24	FPLab	SSS20180925 (1515, 1446, 1541)

25	FPLab	SSS20180924 (1007, 1017, 0955)
26	FPLab	SSS20180924 (1329, 1252, 1338)
27	FPLab	SSS20180925 (1258, 1253, 1306)
28	FPLab	SSS20180925 (1347, 1343, 1351)
29	FPLab	SSS20180925 (1625, 1619, 1632)
30	FPLab	SSS20180926 (1214, 1252) SSS20180924 (1338)
31	FPLab	DPEA20181107 (0953, 0958, 1003)
32	FPLab	AFL20181105 (1026, 1022, 1019)
33	FPLab	DPL20181105 (1403, 1408, 1411)
34	FPLab	DPL20181107 (0912, 0916, 0932)
35	FPLab	DPL20181106 (1155, 1149, 1200)
36	FPLab	DPL20181106 (1705, 1713, 1719)
37	FPLab	SSS 20181105 (1714, 1745, 1805)
38	FPLab	SSS 20181106 (0857, 0910, 0918)
39	FPLab	DPL20181105 (1454, 1459, 1506)
40	FPLab	DPL20181105 (1432, 1438, 1448)
41	FPLab	SSS20181105 (1245, 1257, 1321)
42	Intertek	103960179CRT-001
43	FPLab	AFL 20181022 (0915, 0925, 0935)
44	FPLab	DPL 20191022 (1031, 1043, 1052)
45	FPLab	SSS 20191022 (1550, 1512, 1625)
46	FPLab	SSS 20191101 (1422, 1440, 1432)

47	FPLab	DPL 20191022 (1640, 1650, 1646)
48	FPLab	DPL 20191022 (1219, 1340, 1331)
49	FPLab	DPL 20191025 (0956, 0951, 0946)
50	FPLab	DPL 20191024 (0951, 0946, 0955)
51	FPLab	AFL 20191023 (0948, 0935, 0930)
52	FPLab	DPL 20191031 (1500, 1515, 1504)
53	FPLab	DPL 20191025 (1012, 1003, 1008)
54	FPLab	DPL 20191023 (1058, 1107, 1102)
55	FPLab	DPL 20191025 (1646, 1640, 1635)
56	FPLab	SSS 20191031 (1621) SSS 20161101 (0933, 1040)
57	FPLab	SSS 20191101 (1357, 1406, 1344)
58	FPLab	DPL 20191031 (1200, 1136, 1151)
59	FPLab	SSS 20191104 (0926, 1017, 0952)
60	FPLab	AFL 20191022 (0954, 0945, 1125)
61	FPLab	DPL 20191022 (1323, 1110, 1210)
62	FPLab	DPL 20191025 (1039, 1050, 1045)
63	FPLab	DPL 20191022 (1353, 1346, 1400)
64	FPLab	DPL 20191023 (1655, 1642, 1646)
65	FPLab	SSS 20191023 (1222, 1150, 1301)
66	FPLab	DPL 20191024 (0930, 0923, 0936)
67	FPLab	AFL 20191023 (0924, 0915, 0911)
68	FPLab	DPL 20191023 (1030, 1018, 1023)

<u>69</u>	<u>FPLab</u>	<u>DPL 20191025 (1025, 1020, 1029)</u>
<u>70</u>	<u>FPLab</u>	<u>DPL 20191023 (1048, 1040, 1100)</u>
<u>71</u>	<u>FPLab</u>	<u>DPL 20191025 (1630, 1620, 1624)</u>
<u>72</u>	<u>FPLab</u>	<u>SSS 20191023 (15371455, 1610)</u>
<u>73</u>	<u>FPLab</u>	<u>DPL 20191024 (1011, 1002, 1018)</u>
<u>74</u>	<u>FPLab</u>	<u>DPL 20191024 (1031, 1025, 1038)</u>
<u>75</u>	<u>FPLab</u>	<u>SSS 20191024 (1120, 1229, 1157)</u>
<u>76</u>	<u>FPLab</u>	<u>AFL 20200319 (0942, 0950, 0930)</u>
<u>77</u>	<u>FPLab</u>	<u>DPL 20200319 (1050, 1101, 1033)</u>
<u>78</u>	<u>FPLab</u>	<u>SSS 20200319 (1410, 1429, 1348)</u>
<u>79</u>	<u>FPLab</u>	<u>AFL 20191217 (1108, 1120, 1129)</u>
<u>80</u>	<u>FPLab</u>	<u>DPL 20191217 (1351, 1517, 1342)</u>
<u>81</u>	<u>FPLab</u>	<u>SSS 20191218 (1210, 1158, 1257)</u>

For additional information about this product(s), please contact MSA Customer Service at

Quality Assurance: David Backfisch, QA Engineer Date: dd/mm/yyyy

Qualified Person: Loryn Bertoti Date: dd/mm/yyyy

Performance Details

Revision 7

Report	Standard and Product Requirements	Results	Pass / Fail
1	ANSI Z359.13-2013 Section 4.2 Activation Force	No Sign of Activation No permanent elongation > 2 inches.	Pass
2	ANSI Z359.13-2013 Section 4.5 Dynamic Performance - Ambient	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
3	ANSI Z359.13-2013 Section 4.5 Dynamic Performance - Cold	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
4	ANSI Z359.13-2013 Section 4.5 Dynamic Performance - Hot	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
5	ANSI Z359.13-2013 Section 4.5 Dynamic Performance - Wet	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
6	ANSI Z359.13-2013 Section 4.3 Energy Absorber Static; ANSI Z359.13-2013 Section 4.6.1 Static Strength; ANSI Z359.13-2013 Section 4.7.1 Static Strength of Y Lanyards	Min Break Strength >= 5,000 lbs.	Pass
7	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection	Max Arrest Force <= 1,800 lbs.	Pass
8	ANSI Z359.13-2013 Section 4.7.1 Single Leg Static; ANSI Z359.2013 Section 4.7.2; ANSI Z359.13-2013 Section 4.7.3 Misuse Static	Min. Break Strength >= 5,000 lbs.	Pass
9	ANSI Z359.13-2013 Section 4.6 Static Strength; ANSI Z359.13-2013 Section 4.11 Wrap Around Static; ANSI Z359.13-2013 Section 4.12 Abrasion Wrap Around	Minimum Breaking Strength >= 3,600 lbs. for 4.12 Includes MBS >= 5,000 lbs. for 4.11	Pass
10	ANSI Z359.13-2013 Dynamic Performance; ANSI Z359.13-2013 Dynamic Y Lanyards	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
11	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection	Max Arrest Force <= 1,800 lbs.	Pass
12	ANSI Z359.13-2013 Section 4.7.1 Single Leg Static; ANSI Z359.2013 Section 4.7.2; ANSI Z359.13-2013 Section 4.7.3 Misuse Static	Min. Break Strength >= 5,000 lbs.	Pass
13	ANSI Z359.13-2013 Section 4.2 Activation Force	No Sign of Activation No permanent elongation > 2 inches.	Pass
14	ANSI Z359.13-2013 Section 4.5 Dyanamic Performance	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass

15	ANSI Z359.13-2013 Section 4.5 Dyanamic Performance	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
16	ANSI Z359.13-2013 Section 4.5 Dyanamic Performance	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
17	ANSI Z359.13-2013 Section 4.5 Dyanamic Performance	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
18	ANSI Z359.13-2013 Section 4.6 Static Strength; ANSI Z359.13-2013 Section 4.7.1 Static Leg	Min Break Strength >= 5,000 lbs.	Pass
19	ANSI Z359.13-2013 Section 4.5 Dynamic Performance; ANSI Z359.13 Section 4.8 Dynamic Y Lanyards (Ambient Dry)	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
20	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection (Ambient Dry)	Max Arrest Force <= 1,800 lbs.	Pass
21	ANSI Z359.13-2013 Section 4.7.1 Single Leg; ANSI Z359.2013 Section 4.7.2 Alternate Leg; ANSI Z359.13-2013 Section 4.7.3 Misuse Test	Min. Break Strength >= 5,000 lbs.	Pass
22	ANSI Z359.13-2013 Section 4.6 Static Testing of EAL's (Ambient Dry)	Min. Break Strength >= 5,000 lbs.	Pass
23	ANSI Z359.13-2013 Section 4.6.1 Static Strength (Ambient Dry)	Min Break Strength >= 5,000 lbs. Maintain adjusted length up to a load of 2,000 lbs.	Pass
24	ANSI Z359.13-2013 Section 4.6 Static Strength; ANSI Z359.13-2013 Section 4.11 Wrap Around Static; ANSI Z359.13-2013 Section 4.12 Abrasion Wrap Around (Ambient Dry)	Minimum Breaking Strength >= 3,600 lbs. for 4.12 Includes MBS >= 5,000 lbs. for 4.11	Pass
25	ANSI Z359.13-2013 Section 4.2 Activation Force Testing (Ambient Dry)	No Sign of Activation No permanent elongation > 2 inches.	Pass
26	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Ambient)	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
27	ANSI Z359.13-2013 Section 4.5 Dynamic Performance test (Cold - Dry)	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
28	ANSI Z359.13-2013 Section 4.5 Dynamic Performance test (Hot)	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
29	ANSI Z359.13-2013 Section 4.5 Dynamic Performance test (Wet)	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
30	ANSI Z359.13-2013 Section 4.6 Static Testing of EAL's	Min Break Strength >= 5,000 lbs. Maintain adjusted length up to a load of 2,000 lbs.	Pass
31	ANSI Z359.13-2013 Section 4.4 Dynamic Performance of PEAs	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
32	ANSI Z359.13-2013 Section 4.2 Activation Force Testing (Ambient)	No Sign of Activation No permanent elongation > 2 inches.	Pass

33	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Ambient)	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
34	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Cold)	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
35	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Hot)	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
36	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Wet)	Ave. Arrest Force <= 1,125 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
37	ANSI Z359.13-2013 Section 4.6 Static Testing of EAL's	Min Break Strength >= 5,000 lbs. Maintain adjusted length up to a load of 2,000 lbs.	Pass
38	ANSI Z359.13-2013 Section 4.7.1 Single Leg, ANSI Z359.2013 Section 4.7.2 Alternate Leg	Min Break Strength >= 5,000 lbs.	Pass
39	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection	Max Arrest Force <= 1,800 lbs.	Pass
40	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Ambient)	Ave. Arrest Force <= 900 lbs. Max Deployment = 48 inches Max Arrest Force <= 1,800 lbs.	Pass
41	ANSI Z359.13-2013 Section 4.7.3 Misuse Test	Min Break Strength >= 5,000 lbs.	Pass
42	ANSI Z359.13-2013 Sections: 4.2 Activation Force 4.13.1 Dynamic Performance - Ambient Wet 4.13.2 Dynamic Performance - Cold Dry 4.13.3 Dynamic Performance - Hot Dry 4.7 Static Strength, (Y Lanyards, 3-configurations) 4.8 Dynamic Performance, (y-Lanyard, single connection) 4.9 Dynamic Performance, (y-Lanyard, Dual connection)	See Test Report	Pass
43	ANSI Z359.13-2013 Section 4.2 Activation Force	No Sign of Activation No permanent elongation > 2 inches.	Pass
44	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Ambient)	Ave. Arrest Force <= 1,350 lbs. Max Deployment = 60 inches Max Arrest Force <= 1,800 lbs.	Pass
45	ANSI Z359.13-2013 Section 4.3 Energy Absorber Static; ANSI Z359.13-2013 Section 4.6.1 Static Strength; ANSI Z359.13-2013 Section 4.7.1 Static Strength of Y Lanyards	Min Break Strength >= 5,000 lbs.	Pass
46	ANSI Z359.13-2013 Section 4.6.1 Static Strength	Min Break Strength >= 5,000 lbs. Maintain adjusted length up to a load of 2,000 lbs.	Pass
47	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Wet)	Ave. Arrest Force <= 1,575 lbs. Max Deployment = 60 inches Max Arrest Force <= 1,800 lbs.	Pass

48	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Hot)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
49	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Cold)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
50	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection	Max Arrest Force \leq 1,800 lbs.	Pass
51	ANSI Z359.13-2013 Section 4.2 Activation Force Testing (Ambient Dry)	No Sign of Activation No permanent elongation $>$ 2 inches.	Pass
52	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Ambient)	Ave. Arrest Force \leq 1,350 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
53	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Cold)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
54	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Hot)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
55	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Wet)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
56	ANSI Z359.13-2013 Section 4.3 Energy Absorber Static; ANSI Z359.13-2013 Section 4.6.1 Static Strength; ANSI Z359.13-2013 Section 4.7.1 Static Strength of Y Lanyards	Min Break Strength \geq 5,000 lbs.	Pass
57	ANSI Z359.13-2013 Section 4.6.1 Static Strength	Min Break Strength \geq 5,000 lbs. Maintain adjusted length up to a load of 2,000 lbs.	Pass
58	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection	Max Arrest Force \leq 1,800 lbs.	Pass
59	ANSI Z359.13-2013 Section 4.6 Static Strength; ANSI Z359.13-2013 Section 4.11 Wrap Around Static; ANSI Z359.13-2013 Section 4.12 Abrasion Wrap Around (Ambient Dry)	Minimum Breaking Strength \geq 3,600 lbs. for 4.12 Includes MBS \geq 5,000 lbs. for 4.11	Pass
60	ANSI Z359.13-2013 Section 4.2 Activation Force	No Sign of Activation No permanent elongation $>$ 2 inches.	Pass
61	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Ambient)	Ave. Arrest Force \leq 1,350 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
62	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Cold)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
63	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Hot)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
64	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Wet)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass

65	ANSI Z359.13-2013 Section 4.3 Energy Absorber Static; ANSI Z359.13-2013 Section 4.6.1 Static Strength; ANSI Z359.13-2013 Section 4.7.1 Static Strength of Y Lanyards	Min Break Strength \geq 5,000 lbs.	Pass
66	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection	Max Arrest Force \leq 1,800 lbs.	Pass
67	ANSI Z359.13-2013 Section 4.2 Activation Force	No Sign of Activation No permanent elongation $>$ 2 inches.	Pass
68	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Ambient)	Ave. Arrest Force \leq 1,350 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
69	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Cold)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
70	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Hot)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
71	ANSI Z359.13-2013 Section 4.5 Dynamic Performance (Wet)	Ave. Arrest Force \leq 1,575 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
72	ANSI Z359.13-2013 Section 4.3 Energy Absorber Static; ANSI Z359.13-2013 Section 4.6.1 Static Strength;	Min Break Strength \geq 5,000 lbs.	Pass
73	ANSI Z359.13-2013 Section 4.9 Dynamic Dual Connection	Max Arrest Force \leq 1,800 lbs.	Pass
74	ANSI Z359.13-2013 Section 4.8 Dynamic Performance Testing of Y-Lanyards - Single Connection (Ambient)	Ave. Arrest Force \leq 1,350 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
75	ANSI Z359.13-2013 Section 4.3 Energy Absorber Static; ANSI Z359.13-2013 Section 4.6.1 Static Strength; ANSI Z359.13-2013 Section 4.7.1 Static Strength of Y Lanyards	Min Break Strength \geq 5,000 lbs.	Pass
76	ANSI Z359.13-2013 Section 4.2 Activation Force Testing of Personal Energy Absorbers	No Sign of Activation No permanent elongation $>$ 2 inches.	Pass
77	ANSI Z359.13-2013 Section 4.4 Dynamic Performance Testing of Personal Energy Absorbers.	Ave. Arrest Force \leq 900 lbs. Max Deployment = 48 inches Max Arrest Force \leq 1,800 lbs.	Pass
78	ANSI Z359.13-2013 Section 4.3 Static Strength Testing of Personal Energy Absorbers	Min Break Strength \geq 5,000 lbs.	Pass
79	ANSI Z359.13-2013 Section 4.2 Activation Force Testing of Personal Energy Absorbers	No Sign of Activation No permanent elongation $>$ 2 inches.	Pass
80	ANSI Z359.13-2013 Section 4.4 Dynamic Performance Testing of Personal Energy Absorbers.	Ave. Arrest Force \leq 1,350 lbs. Max Deployment = 60 inches Max Arrest Force \leq 1,800 lbs.	Pass
81	ANSI Z359.13-2013 Section 4.3 Static Strength Testing of Personal Energy Absorbers	Min Break Strength \geq 5,000 lbs.	Pass

Revision	Date	Project Engineer	Qualified Person
0	1/9/2019	Loryn Bertoti	N/A
1	3/5/2019	Loryn Bertoti	N/A
2	6/17/2019	Loryn Bertoti	N/A
3	9/24/2019	Loryn Bertoti	N/A
4	11/15/2019	Loryn Bertoti	Loryn Bertoti
5	1/2/2020	Loryn Bertoti	Loryn Bertoti
6	2/10/2020	Loryn Bertoti	Loryn Bertoti
7	4/29/2020	Loryn Bertoti	Loryn Bertoti