



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

MSA Innovation, LLC
1100 Cranberry Woods Drive
Cranberry Twp., PA 16066

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 10 August 2022
Certificate Number: L2456



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MSA Innovation, LLC
1100 Cranberry Woods Drive
Cranberry Twp., PA 16066
Steph Perdziola (724) 779-8441
stephanie.perdziola@msasafety.com

TESTING

Valid to: **August 10, 2022**

Certificate Number: **L2456**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Abrasion Resistance Testing	ANSI Z359.13 Section 4.1.9	Energy Absorbers & Energy Absorbing Lanyards	Abrasion Resistance Tester
Static Strength Testing of Personal Energy Absorbers	ANSI Z359.13 Section 4.3	Personal Energy Absorbers	Tensile Tester
Dynamic Performance Testing of Personal Energy Absorber	ANSI Z359.13 Section 4.4	Personal Energy Absorbers	Dynamic Testing
Dynamic Performance Testing of Energy Absorbing Lanyards	ANSI Z359.13 Section 4.5	Energy Absorbing Lanyards	Dynamic Testing
Static Strength Testing of Energy Absorbing Lanyards	ANSI Z359.13 Section 4.6	Energy Absorbing Lanyards	Tensile Tester
Static Strength Testing of Y-Lanyards	ANSI Z359.13 Section 4.7	Energy Absorbing Lanyards	Tensile Tester
Dynamic Performance Testing of Y-Lanyards – Single Connection	ANSI Z359.13 Section 4.8	Energy Absorbing Lanyards	Dynamic Testing
Dynamic Performance Testing of Y-Lanyards - Dual Connection	ANSI Z359.13 Section 4.9	Energy Absorbing Lanyards	Dynamic Testing
Static Strength Testing of Wrap-Around Energy Absorbing Lanyards	ANSI Z359.13 Section 4.11	Energy Absorbing Lanyards	Tensile Tester

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Environmental Simulation	ANSI Z359.13 Sections: 4.13.1 – Wet 4.13.2 – Cold Dry 4.13.3 – Hot Dry	Personal Energy Absorbers, Energy Absorbing Lanyards	Water Freezer Oven Digital Thermometer
Static Testing of Self-Retracting Devices	ANSI Z359.14 Section 4.2.1	Self-Retracting Devices	Dynamic Testing
Static Testing of Self-Retracting Lanyard, Personal Connectors	ANSI Z359.14 Section 4.2.2	Self-Retracting Devices	Leading Edge Testing
Locking Strength Testing of Self-Retracting Devices	ANSI Z359.14 Section 4.2.3	Self-Retracting Devices	Dynamic Testing
Dynamic Performance of Self-Retracting Devices (SRDs)	ANSI Z359.14 Section 4.3.1	Self-Retracting Devices with Rescue Capabilities	Function Testing
Additional Dynamic Performance Testing of Self-Retracting Lanyards, Personal (SRL-Ps)	ANSI Z359.14 Section 4.3.2	Self-Retracting Devices with Rescue Capabilities	Function Testing
Additional Dynamic Performance Testing of Self-Retracting Devices (SRDs) – Class 2	ANSI Z359.14 Section 4.3.3	Self-Retracting Devices with Rescue Capabilities	Tensile Tester
Qualification Testing of Self-Retracting Lanyards with Integral Rescue Capability (SRL-Rs)	ANSI Z359.14 Section 4.3.4	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-R
Qualification Testing of Self-Retracting Lanyards with Integral Rescue Capability (SRL-Rs)	ANSI Z359.14 Section: 4.3.4.3.1 Hot Conditioning 4.3.4.3.2 Cold Conditioning 4.3.4.3.3 Wet Conditioning	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-R
Static Strength Testing of SRL-R	ANSI Z359.14 Section 4.3.4.4	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-R
Energy Capacity Testing	ANSI Z359.14 Section 4.4	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-R
Retraction Tension Testing	ANSI Z359.14 Section 4.5	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-R
Static Test for Dual Self-Retracting Lanyards, Personal (SRL-Ps)	ANSI Z359.14 Section 4.6.1	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-P

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Self-Retracting Lanyard, Personal (SRL-Ps) Dual Connection	ANSI Z359.14 Section 4.6.2	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-P
Wrap-Around Strength for Self-Retracting Lanyard, Personal (SRL-Ps)	ANSI Z359.14 Section 4.6.3	Self-Retracting Devices with Rescue Capabilities	Rescue, Post Fall Arrest Testing of SRL-P
Static Strength Test Fixed Length Lanyards	ANSI Z359.3 Section 4.2.1	Positioning and travel restraint lanyards	Tensile Tester
Static Strength Test Adjustable Length Lanyards	ANSI Z359.3 Section 4.2.2	Positioning and travel restraint lanyards	Tensile Tester
Dynamic Strength Test	ANSI Z359.3 Section 4.2.3	Rope Adjusters positioning and travel restraint lanyards	Dynamic Testing
Abrasion Resistance Testing	ANSI Z359.3 Section 4.2.5	All Lanyards	Abrasion Resistance Tester
Environmental Simulation	ANSI Z359.4 Sections: 4.3.2.1 – Heat 4.3.2.2 – Cold	Synthetic Rope Tackle Block, Descent Device, Hoist	Oven Freezer
Static Strength Testing Synthetic Rope Tackle Block	ANSI Z359.4 Section 4.3.4.1	Synthetic Rope Tackle Block	Tensile Tester
Dynamic Strength Testing Synthetic Rope Tackle Block	ANSI Z359.4 Section 4.3.4.2	Synthetic Rope Tackle Block	Dynamic Test
Static Strength Testing Descent Device	ANSI Z359.4 Section 4.3.5.2	Descent Device	Tensile Tester
Dynamic Strength Testing Descent Device	ANSI Z359.4 Section 4.3.5.3	Descent Device	Dynamic Test
Function Test Force to Raise/Lower	ANSI Z359.4 Section 4.3.6.3	Hoist	Function Test
Function Test Slippage	ANSI Z359.4 Section 4.3.6.4	Hoist	Function Test
Function Test Primary Brake	ANSI Z359.4 Section 4.3.6.5	Hoist	Function Test
Function Test Secondary Brake	ANSI Z359.4 Section 4.3.6.9	Hoist	Function Test
Dynamic Feet First Drop Test	ANSI Z359.11 Section 4.3.3	Full Body Harnesses	Dynamic Testing
Dynamic Head First Drop Test	ANSI Z359.11 Section 4.3.4	Full Body Harnesses	Dynamic Testing
Static Feet First Test	ANSI Z359.11 Section 4.3.5	Full Body Harnesses	Tensile Tester
Fall Arrest Indicator Test	ANSI Z359.11 Section 4.3.6	Full Body Harnesses	Dynamic Testing



ANSI National Accreditation Board

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Static (Feet First Test for Lanyard Parking Attachment Element)	ANSI Z359.11 Section 4.3.7	Full Body Harnesses	Tensile Tester
Function Test Single Anchor Lifeline and Fall Arrestor	ANSI Z359.15 Section 4.2.1	Single Anchor Lifeline and Fall Arrestor	Functional
Dynamic Performance Testing of Single Anchor Lifeline and Fall Arrestor	ANSI Z359.15 Section 4.2.2	Single Anchor Lifeline and Fall Arrestor	Dynamic Testing
Residual Static Strength Testing of Single Anchor Lifeline and Fall Arrestor	ANSI Z359.15 Section 4.2.3	Single Anchor Lifeline and Fall Arrestor	Static Test: Vertical Static Test Machine
Dynamic Performance Testing of Single Anchor Lifeline and Fall Arrestor – Manual Override	ANSI Z359.15 Section 4.2.4	Single Anchor Lifeline and Fall Arrestor	Dynamic Testing
Environmental Simulation	ANSI Z359.15 Section: 4.2.5.1 – Hot 4.2.5.2 – Cold 4.2.5.3 – Wet	Single Anchor Lifeline and Fall Arrestor	Oven Freezer Water
Static Strength Testing of Single Anchor Lifeline	ANSI Z359.15 Section 4.3.1	Single Anchor Lifeline	Static Test: Vertical Static Test Machine
Static Strength Testing of Fall Arrestor	ANSI Z359.15 Section 4.3.2	Single Anchor Fall Arrestor	Static Test: Vertical Static Test Machine
Static Strength test for Type A Anchorage Connectors	ANSI Z359.18 Section 4.2.1.1	Type A Anchorage Connectors	Static Test: Vertical Static Test Machine
Static Strength test for Type T Anchorage Connectors	ANSI Z359.18 Section 4.2.1.2	Type T Anchorage Connectors	Static Test: Vertical Static Test Machine
Dynamic Strength Test Procedure	ANSI Z359.18 Section 4.2.2.1.4	Type A Anchorage Connectors	Dynamic Testing
Dynamic Strength Test Procedure	ANSI Z359.18 Section 4.2.2.2.4	Type T Anchorage Connectors	Dynamic Testing
Residual Dynamic Strength Test for Type A Anchorage Connectors	ANSI Z359.18 Section 4.2.3.1	Type A Anchorage Connectors	Dynamic Testing
Residual Dynamic Strength Test for Type T Anchorage Connectors	ANSI Z359.18 Section 4.2.3.2	Type T Anchorage Connectors	Dynamic Testing
Serviceability Load Test for Type T Anchorage Connectors	ANSI Z359.18 Section 4.2.4.2	Type T Anchorage Connectors	Static Test: Vertical Static Test Machine



ANSI National Accreditation Board

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Standard Practice for Operating Salt Spray (Fog) Apparatus	ASTM B 117	All Fall Protection Devices	Salt Fog Chamber
Tensile Testing of Snaphook and Carabiner Bodies	ANSI Z359.12 Section 4.2.1.1.1	Connecting Components for Personal Fall Arrest Systems	Static Test: Vertical Static Test Machine
Gate Face Testing of Snaphook and Carabiner	ANSI Z359.12 Section 4.2.1.1.2	Connecting Components for Personal Fall Arrest Systems	Static Test: Vertical Static Test Machine
Side Load Testing of Snaphook and Carabiner Gates	ANSI Z359.12 Section 4.2.1.1.3	Connecting Components for Personal Fall Arrest Systems	Static Test: Vertical Static Test Machine
Minor Axis Testing of Snaphook and Carabiner Gates	ANSI Z359.12 Section 4.2.1.1.4	Connecting Components for Personal Fall Arrest Systems	Static Test: Vertical Static Test Machine
Tensile Testing of D-Rings, O-Rings and Oval Rings	ANSI Z359.12 Section 4.2.1.2	Connecting Components for Personal Fall Arrest Systems	Static Test: Vertical Static Test Machine
Tensile Testing of Buckles and Adjusters	ANSI Z359.12 Section 4.2.1.3	Connecting Components for Personal Fall Arrest Systems	Static Test: Vertical Static Test Machine
Abrasion Conditioning	ANSI Z359.12 Section 4.2.3.1	Connecting Components for Personal Fall Arrest Systems	Abrasion Resistance Tester
Weather Conditioning Cold Conditioning	ANSI Z359.12 Section 4.2.3.2.1	Connecting Components for Personal Fall Arrest Systems	Freezer
Dynamic Test Procedure	ANSI Z359.12 Section 4.2.3.3	Connecting Components for Personal Fall Arrest Systems	Dynamic Testing

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2456.
2. This laboratory does not offer commercial testing services.

R. Douglas Leonard Jr., VP, PILR SBU