



The Safety Company

1000 Cranberry Woods Drive,
Cranberry Township, PA 16066

MSA Declaration of Conformity

In Accordance with ANSI/ASSP Z359.7-2019
IAC-20-018 - Z04 Rev 2

Statement of Conformity: MSA declares that the
Vertical Ladder Lifeline Kit
is in conformity with the requirements of

ANSI Z359.16-2016 Safety Requirements for Climbing Ladder Fall Arrest Systems

Table with 2 columns: Product Code, Model / Part Numbers Covered. Row 1: IAC-20-018, Vertical Ladder Lifeline Kits with PN 309NN-00...

ANSI/ISEA 125-2014 conformity assessment method: Level 1, Level 2. For Level 2, information about ISO 17025-accredited facility in which the product was tested: The test facility is an independent 3rd Party ISO 17025-accredited facility...

For additional information about this product(s), please contact MSA Customer Service at 1-800-MSA-2222. When requesting information, please reference model number(s).

Compliance Engineer: Vinny Iachini

06/09/2025
Date: MM/DD/YYYY

Qualified Person: Tim Bissett

06/10/2025
Date: MM/DD/YYYY

Performance Details

Revision 2

Report	Standard and Product Requirements	Acceptance Criteria	Pass / Fail
1, 2, 3	Section 4.2.1 - Dynamic Performance Test Raise test weight to maximum height allowed. (282 Lbs.) Release test weight Record MAF and Avg Force Measure distance of travel	Ambient Conditioning Average arrest force shall not exceed 1350lbs, and maximum shall not exceed 1800lbs. Vertical displacement shall not exceed 39 in (1 m).	Pass
1, 2, 3	Section 4.2.2 - Static Strength Test Preload energy absorber to 450lbs for 1 minute, release load Load to 3,600lbs for 1 minute	Permanent extension from preload shall not exceed 0.8 in. CLFAS shall not release load during full loading	Pass
1, 2, 3	Section 4.2.3 - Locking Function Raise test weight to maximum height allowed. (282 lbs.) Keep device fully open to disable one of the locking mechanisms Release test weight Measure carrier movement and total vertical displacement	The maximum movement of carrier shall not exceed 20". Total vertical Displacement including carrier and energy absorbing components must not exceed 39"	Pass
1, 2, 3	Section 4.2.4.1 - Cold Dynamic Performance Test Raise test weight to maximum height allowed. (282 Lbs.) Release test weight Record MAF and Avg Force Measure distance of travel	Cold Conditioning (-40°F for 2 hours) Average arrest force shall not exceed 1350lbs, and maximum shall not exceed 1800lbs. Vertical displacement shall not exceed 39 in (1 m).	Pass
1, 2, 3	Section 4.2.4.2 - Wet Dynamic Performance Test Raise test weight to maximum height allowed. (282 Lbs.) Release test weight Record MAF and Avg Force Measure distance of travel	Wet Conditioning (submerged for 3 hours) Average arrest force shall not exceed 1350lbs, and maximum shall not exceed 1800lbs. Vertical displacement shall not exceed 39 in (1 m).	Pass
1, 2, 3	Section 4.2.1 / 3.2.4 - Corrosion Dynamic Performance Test Raise test weight to maximum height allowed. (282 Lbs.) Release test weight Record MAF and Avg Force Measure distance of travel	Corrosion Resistance (ASTM B117 for 48 hrs) Maximum arrest force shall not exceed 1800lbs. Vertical displacement shall not exceed 39 in (1 m).	Pass

1, 2, 3	<p>Section 4.2.5.2 - Function Test</p> <p>With the carrier sleeve unlocked and positioned in contact with the carrier stop or carrier gate, apply a static test load parallel to the carrier of not less than 450 pounds (2kN) for a period of not less than 1 minute to the carrier sleeve via its connection linkage such that the load is also applied to the carrier stop or carrier gate.</p>	<p>Carrier shtops shall withstand the applied load without releasing. The carrier sleeve must function normally following the test</p>	Pass
1, 2, 3	<p>Section 4.2.6 - Climbing Extension Point Static Test</p> <p>Apply a static load to the fall arrest connection point of not less than 3,600lbs for a period of 1 minute.</p>	<p>Climbing extension shall withstand the applied load without releasing.</p>	Pass

Revision
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Date
9/14/2022
1/19/2024

Project Engineer
Richard Beale
Richard Beale

Qualified Person
Tim Bissett
Tim Bissett