



Test Report

ANSI/ISEA 121-2018

305 Massabesic Street
Manchester, NH 03103
603-669-5169

Test Report Number: 20210928BNGEXT253TLP
Job Number: Verification 717
Product SKU#: BNGEXT253TLP
Product Type: Extendable Lanyard
Product Description: Shock Absorbing Tether, 13.5kg (30lb), 3T Carabiner and Loop
Testing Standard(s): ANSI/ISEA 121-2018
Dates of Manufacture: 9/01/2021
Date(s) of Testing: 9/21/2021

REQUIREMENT VERIFICATION

<u>Requirement Description</u>	<u>Clause/Section</u>	<u>Result</u>
General Requirements	3.1 General	Meets or Exceeds
Markings, Labeling, and Instructions	9. Markings and Instructions	Meets or Exceeds

VERIFICATION TESTING

<u>Test Description</u>	<u>Test Date</u>	<u>Clause/Section</u>	<u>Result</u>
Tool Tethers Dynamic Test (Dry)	9/21/2021	6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers	Pass
Tool Tethers Dynamic Test (Wet)	9/21/2021	6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers	Pass
Tool Tethers Dynamic Test (Cold)	9/21/2021	6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers	Pass
Tool Tethers Dynamic Test (Hot)	9/21/2021	6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers	Pass

This test report covers these additional products:

Please contact quality@guardianfall.com for signed report.

Test Equipment		
Equipment	Model	Serial
Load Cell	1210AF-10K-B	444522A
Adjustable Test Weight	30 lb	7HUK
Environmental Chamber	S-8-8200	45336
Measuring Tape	TX1-25	GFP 029
Stop Watch	1235C26	200355861
Scale	Totalcomp	02314063019

3.1	General	
3.1.1	Demonstration of conformity to the requirements of this standard shall be in accordance with ANSI/ISEA 125-2014, <i>American National Standard for Conformity Assessment of Safety and Personal Protective Equipment</i> . The manufacturer shall select the level of conformity assessment claimed, and such level shall be clearly indicated in any claim, in any form, that references compliance with ANSI/ISEA 125-2014.	Meets or Exceeds
3.1.2	Manufacturers shall not claim compliance with any part of the requirements of this standard and shall not use the name or identification of this standard in any statements regarding their respective products unless the product conforms fully to this standard.	Meets or Exceeds
3.2	Documentation	
3.2.1	Dropped object solutions shall be tested to verify compliance with the requirements specified in this standard. At a minimum, the information found in the Performance Testing Report shall be maintained by the manufacturer.	Meets or Exceeds
3.2.2	A declaration of Conformity shall be developed for all models for which manufacturer's claims of compliance with this standard are made. At a minimum, the information found on the form in Appendix B2 shall be provided. NOTE: A product solution with design parameters equivalent to a compliant product solution may be considered compliant if variations do not affect the integrity of the product's design or performance.	Meets or Exceeds
3.2.3	The issuer of the Declaration of Conformity shall have procedures in place to ensure the continued conformity of the product, as delivered or accepted, with the stated requirements of the declaration of conformity. The issuer of the Declaration of Conformity shall have procedures in place to re-evaluate the validity of the Declaration of Conformity, in the event of:	
a	changes significantly affecting the design or specification of the product;	Meets or Exceeds
b	changes in the standards to which conformity of the product is stated;	Meets or Exceeds
c	changes in the ownership or structure of the supplier, if relevant; or	Meets or Exceeds
d	relevant information indicating that the product may no longer conform to the specified requirements.	Meets or Exceeds

9	Markings and Labeling	
9.1	General Each solution shall be marked. The marking shall be:	Meets or Exceeds
	on the product itself or on labels attached to the product	Meets or Exceeds
	permanently affixed so as to be visible and legible	Meets or Exceeds
	provided in at least English	Meets or Exceeds
9.2	Product Label Requirements The following information shall be included on labeling attached to the solution:	
a	Name, trademark or other means of identification of the manufacturer (for all solutions);	Meets or Exceeds
b	Product identification (number, date code and/or serial number) (for all solutions);	Meets or Exceeds
c	Published capacity (ies), identified by weight (for all solutions)	Meets or Exceeds
d	Number of this specific ANSI standard (ANSI/ISEA 121-2018)	Meets or Exceeds
e	Tether length (for tool tethers only);	Meets or Exceeds
f	Max tether length (for anchor points, attachments and if applicable, containers).	Meets or Exceeds
9.3	Instructions for Use Manufacturers shall provide instructions for use for solutions. At a minimum, the following information shall be given:	
a	Necessary warnings of misuse	Meets or Exceeds
b	Limitations on use.	Meets or Exceeds
c	Minimum and maximum size for geometry of solutions including but not limited to tool diameter, person size, etc.	Meets or Exceeds
d	Inspection details.	Meets or Exceeds
e	Clearance distance, if different from max tether length.	Meets or Exceeds

Notes

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
dry requirements per 6.3.4

- Attach one end of the tether to the anchor point of the rigid test structure. Attach the other end of the tether to the test weight that matches the maximum rating of the tether.
- While that test weight load is supported by the extendable tether, measure the distance from the anchor point to the test weight connection. This will determine the specified tether length
- Perform a drop with a test weight equal to twice the manufacturer's published capacity with a free fall distance of twice the specified tether length
- The test weight's longest axis shall be positioned vertically and shall be released from a point no more than 6 inches (152 mm) horizontally on center of the fixed anchor point.
- Follow this procedure for the first drop and then perform two additional drops using a weight equal to the manufacturer's published capacity. A total of three drops shall be recorded.

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
dry requirements per 6.3.4

Requirement	Sample # 01	Sample # 01	Sample # 01
Drop Sequence	1	2	3
Freefall distance (in.)	144	144	144
Test Weight (lb)	60	30	30
Test weight arrested?	Yes	Yes	Yes
Result/Assessment	Pass	Pass	Pass

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
wet requirements per 6.3.4

- Attach one end of the tether to the anchor point of the rigid test structure. Attach the other end of the tether to the test weight that matches the maximum rating of the tether.
- While that test weight load is supported by the extendable tether, measure the distance from the anchor point to the test weight connection. This will determine the specified tether length
- Perform a drop with a test weight equal to twice the manufacturer's published capacity with a free fall distance of twice the specified tether length
- The test weight's longest axis shall be positioned vertically and shall be released from a point no more than 6 inches (152 mm) horizontally on center of the fixed anchor point.
- Follow this procedure for the first drop and then perform two additional drops using a weight equal to the manufacturer's published capacity. A total of three drops shall be recorded.

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
wet requirements per 6.3.4

Requirement	Sample # 04	Sample # 04	Sample # 04
Drop Sequence	1	2	3
Freefall distance (in.)	144	144	144
Test Weight (lb)	60	30	30
Test weight arrested?	Yes	Yes	Yes
Result/Assessment	Pass	Pass	Pass

Notes

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
cold requirements per 6.3.4

- Attach one end of the tether to the anchor point of the rigid test structure. Attach the other end of the tether to the test weight that matches the maximum rating of the tether.
- While that test weight load is supported by the extendable tether, measure the distance from the anchor point to the test weight connection. This will determine the specified tether length
- Perform a drop with a test weight equal to twice the manufacturer's published capacity with a free fall distance of twice the specified tether length
- The test weight's longest axis shall be positioned vertically and shall be released from a point no more than 6 inches (152 mm) horizontally on center of the fixed anchor point.
- Follow this procedure for the first drop and then perform two additional drops using a weight equal to the manufacturer's published capacity. A total of three drops shall be recorded.

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
cold requirements per 6.3.4

Requirement	Sample # 02	Sample # 02	Sample # 02
Drop Sequence	1	2	3
Freefall distance (in.)	144	144	144
Test Weight (lb)	60	30	30
Test weight arrested?	Yes	Yes	Yes
Result/Assessment	Pass	Pass	Pass

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
hot requirements per 6.3.4

- Attach one end of the tether to the anchor point of the rigid test structure. Attach the other end of the tether to the test weight that matches the maximum rating of the tether.
- While that test weight load is supported by the extendable tether, measure the distance from the anchor point to the test weight connection. This will determine the specified tether length
- Perform a drop with a test weight equal to twice the manufacturer's published capacity with a free fall distance of twice the specified tether length
- The test weight's longest axis shall be positioned vertically and shall be released from a point no more than 6 inches (152 mm) horizontally on center of the fixed anchor point.
- Follow this procedure for the first drop and then perform two additional drops using a weight equal to the manufacturer's published capacity. A total of three drops shall be recorded.

6.3.4 Dynamic Test Procedure for Extendable and Retractable Tethers (Extendable)
hot requirements per 6.3.4

Requirement	Sample # 03	Sample # 03	Sample # 03
Drop Sequence	1	2	3
Freefall distance (in.)	144	144	144
Test Weight (lb)	60	30	30
Test weight arrested?	Yes	Yes	Yes
Result/Assessment	Pass	Pass	Pass

Notes