Declaration of Conformity

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

Declaration #: DOC-DL100305
Declaration Date: 10/31/2024

Item #: DL100305

Description: KStrong® Kaptor™ Web Tool Tails, 3 lbs. 6-pack 2XL - 8.5 inches (ANSI)

Brand Name: KStrong

Manufacturer: KStrong

Address: 18505 Intercontinental Crossing, Houston, TX 77073

Additional Items Conforming Under this Declaration (If Applicable):

KStrong declares that the product(s) listed above is in conformity with the requirements of the following performance standard(s):

ANSI/ISEA 121-2023

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

- ○ **Level 1:** KStrong Lab Outside the Scope of ISO/IEC Standard 17025:2017
- ○ **Level 2:** KStrong Lab Within the Scope of ISO/IEC Standard 17025:2017
- ● **Level 3:** Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2017

Supporting Documentation: KS-Test-DL100305.pdf

This Certificate is a guarantee that the above standard(s) was met by the requirements of such standard. Testing was performed under normal operation mode. The results of testing apply only to the particular sample tested and the specific test carried out. This Certificate is only issued for products which have passed the testing requirements of listed standard(s).

Authorized Signature:

Matt Sisco
President - KS Group, North America

ISO 17025 Accredited Test Laboratory

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TEST DATA EXTENSION REPORT

KStrong Inc 150 N. Radnor Chester Rd Suite F200 Radnor PA 19087 USA	SATRA reference:	SPC2022728	
		2515	3
	Report ID/Issue number:	51324/1	
	Your reference:		
	Date samples received:		
	Date(s) work carried out:	18/01/2022 to 21/01/2022	
	Date of report:	30/04/2025	

Testing Requirements

Testing of tool attahment referenced "DL100301", "DL100351" & "DL700101" in accordance with ANSI/ISEA 121:2023 clauses 5.1 & 5.2

This report is an extension of a previously issued SATRA test report, the details of which can be found within the content of this Test Data Extension Report

For SATRA's full terms and conditions see our website: https://new.satra.com/satra-terms-and-conditions/

For SATRA's statements regarding the confidentiality, publication and dissemination of this report, decision rules and UKAS accreditation please see the final page of this technical report.

Report Signed by:

Edward Brooks

Report Signatory

WORK REQUESTED

Samples of tool attachment, described as “DL100301” & “DL100351” in combination with tool tape “DL700101", were received by SATRA on the 13th December 2021 for testing in accordance with ANSI/ISEA 121-2023

The 2 styles of tool lanyard are available in the following lengths:

1. DL100301 & DL100351 – 2.5 inches
2. DL100302 & DL100352 – 4.5 inches
3. DL100303 & DL100353 – 5.5 inches
4. DL100304 & DL100354 – 6.5 inches
5. DL100305 & DL100355 – 8.5 inches

Testing was only carried out on the 2.5-inch models, as this would be considered as worst case with the smallest amount of surface area to fix to the tool

The 2 styles of tool lanyard are mostly identical, with the only differences being that the variants ending in “35X” (where X denotes length) incorporate a swivel on the attachment point. Testing was carried out using a combination of both styles.

This is an extension of report SPC2011081 /2444 /2 [45528/1], dated the 31st October 2024

CONCLUSIONS

SAMPLE REFERENCE	STANDARD	CLAUSE / TEST	PASS / FAIL
DL100301 & DL100351	ANSI/ISEA 121-2023	5.1 Design Requirements	Not assessed
		5.2 Performance Requirements	PASS

TESTING

Testing was carried out in accordance with ANSI/ISEA 121-2023 between the 18th & 21st January 2022

See note 1

The tool attachments are to be used with a tether creating an overall length 1.35m (53 inches). Therefore, a 2.70m (106 inches) free fall used for testing and a maximum rated load of 1.36kg (3lbs)

Prior to conditioning, each tool attachment was fixed to the test mass by use of tool tape “DL700101”. The sample was wrapped repeatedly with a 50% or greater overlap on each round of tape (see figure 4)

For the purposes of testing, the samples were conditioned in the following way prior to testing:

Condition	Temperature	Time
Ambient Dry	2 to 38°C	Minimum of 2 hours
Ambient Wet, immersed in water	20°C	Minimum of 2 hours
Cold Dry	-35°C	Minimum of 2 hours
Hot Dry	45°C	Minimum of 2 hours

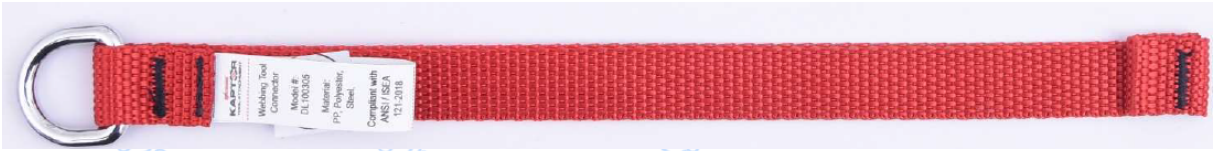

Figure 1 – Tool attachment described as “DL100301" (photo supplied by the manufacturer)

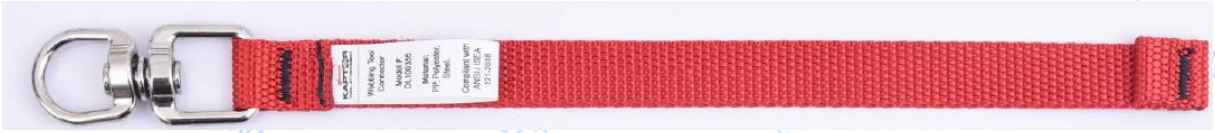

Figure 2 – Tool attachment described as “DL100351" (photo supplied by the manufacturer)

Figure 3 – Tool attachment described as “DL700101" (photo supplied by the manufacturer)

Figure 4 – Tool attachment described as “DL100351" fixed to the test mass using “DL700101”

TEST RESULTS

Table 1 – Testing of tool attachment described as “DL100301” & “DL100351" in accordance with ANSI/ISEA 121-2023

<table>
<tr><th>ANSI/ISEA 121-2023
CLAUSE / TEST</th><th>ANSI/ISEA 121-2023
REQUIREMENT</th><th>RESULT / COMMENT</th><th>PASS / FAIL</th></tr>
<tr><td>5.1 Design Requirements</td><td>Tool attachment shall be defined by a manufacturer to include specific instructions and guidelines for the minimums and maximums of a tool or type of tool’s geometry.</td><td>Not assessed</td><td>Not assessed</td></tr>
<tr><td>5.2 Performance Requirements</td><td>Tool attachments designed to be independently applied directly to a tool shall be dynamically tested (Section 5.3). If the tool attachment design refers to a specific size range or geometry, the tool attachment shall be tested and perform to the weakest orientation(s) of that specified range or geometry.

Tool attachments of multiple components designed to be used as a system shall be applied to the test weight or test fixture and tested as a system. Independent testing of individual system components shall not determine performance of a tool attachment designed to be used as system. If tool attachment design refers to a specific size range or geometry of a tool, the tool attachment shall be tested and perform to the weakest orientation(s) for that range or geometry.

Tool attachments that are identified by the manufacturer to be integral or exclusive to tethers, regardless or tether type, shall be dynamically tested (Section 6.3)

When tested dynamically in accordance with Section 5.3 or 6.3, there shall be no failure of the tool attachment that allows the test weight to be released as a result of any drop.</td><td>Condition: Ambient Dry (DL100301)
<table>
<tr><th>Test number</th><th>Weight used</th><th>Mass held</th></tr>
<tr><td>1</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>2</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>3</td><td>1.36kg</td><td>Yes</td></tr>
</table>
Condition: Ambient Wet, immersed in water (DL100351)
<table>
<tr><th>Test number</th><th>Weight used</th><th>Mass held</th></tr>
<tr><td>1</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>2</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>3</td><td>1.36kg</td><td>Yes</td></tr>
</table>
Condition: Cold Dry (DL100301)
<table>
<tr><th>Test number</th><th>Weight used</th><th>Mass held</th></tr>
<tr><td>1</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>2</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>3</td><td>1.36kg</td><td>Yes</td></tr>
</table>
Condition: Hot Dry (DL100351)
<table>
<tr><th>Test number</th><th>Weight used</th><th>Mass held</th></tr>
<tr><td>1</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>2</td><td>1.36kg</td><td>Yes</td></tr>
<tr><td>3</td><td>1.36kg</td><td>Yes</td></tr>
</table></td><td>PASS</td></tr>
</table>

ADDITIONAL NOTES

Note 1 – Original testing was carried out in accordance with ANSI/ISEA 121:2018. However, there are no significant changes to the test methods carried out in regard to ANSI/ISEA 121:2023 in this report

Conditions of Use

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SATRA test reports may be forwarded to other parties if they are not changed in any way and are not marked as confidential. Test reports must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

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Where the UKAS logo is included on the test report then tests marked ≠ fall outside the UKAS Accreditation Schedule for SATRA. Where no UKAS logo is included on the test report then none of the tests reported are covered by SATRA's UKAS Accreditation.

Tests marked ¥ are performed under SATRA's Flexible UKAS Schedule.

Opinions and interpretations fall outside the UKAS Accreditation for SATRA.

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Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor k=2, which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

SATRA's guidelines provide recommendations that are based upon SATRA's knowledge and experience. The guidelines are intended to indicate conformance by providing information on the likely performance or characteristics of a property. As such, uncertainty of measurement is not applied when evaluating results against guideline recommendations.