

Declaration of Conformity

Manufacturer Name: KStrong Inc.

Manufacturer Address: 18505 Intercontinental Crossing, Houston, TX 77073

Declaration #: DOC-UFF516000

Declaration Date: 6/22/2026

PRODUCT INFORMATION

Item #: UFF516000

Product Description: KStrong® Ladder Extension Davit Kit for Fixed Ladders

Tested Engineering Ref: Karam Model PN7000(06)

Product Classification: Anchor Device / Fall Protection Extension Post

STATEMENT OF CONFORMITY

KStrong Inc. declares that the product listed above has been subjected to accredited laboratory testing in conformity with European Union fall protection standards, and satisfies the structural intent of the following United States occupational safety regulations:

1. TESTED PERFORMANCE STANDARD (EU)

- **Standard:** EN 795:2012 Type A (Anchor Devices)
- **Performance Assessment:** Sustained a static pull load of 12 kN for 3 minutes without release; successfully arrested a dynamic 100 kg test mass without structural failure.
- **Supporting Test Report:** SATRA Technical Report Ref. SPC0249418/1635

2. SATISFIED DESIGN REGULATIONS (US / OSHA)

- **OSHA 1910.28(b)(9) & OSHA 1910.29:** General Industry Walking-Working Surfaces (Fall Protection Requirements for Fixed Ladders).
- **OSHA 1926.502(d)(15):** Construction Industry Fall Protection Systems Criteria (Anchorages).
- **Compliance Statement:** Designed to meet the requirements of OSHA's Final Rule to Update General Industry Walking-Working Surfaces and Fall Protection Standards and satisfy the fall protection requirement for ladders over 24 feet in length.

PRODUCT SPECIFICATIONS & USAGE LIMITATIONS

1. **Testing Basis:** This unit has been physically tested to the 12 kN static and 100 kg dynamic mass criteria of EN 795 Type A. Note: Because there is currently no standalone ANSI Z359 product category dedicated specifically to fixed-ladder extension stanchions, native ANSI Z359 drop-testing certification is not cited.
2. **Installation Requirement:** The post must be securely mounted to the top three rungs of a structurally sound fixed ladder (rungs up to 1-inch diameter, spaced 10 to 14 inches apart).
3. **Qualified Supervision:** When deployed in United States jurisdictions, this device must be installed and utilized under the supervision of a Qualified Person as part of a complete, engineered Personal Fall Arrest System maintaining a safety factor of at least two.

MANDATORY SAFETY REQUIREMENT

This device serves strictly as an access anchorage extension. The user must connect their full-body harness to the post's upper swivel eyelet using a separately certified, compatible Personal Fall Arrest System (such as an ANSI-compliant Class 1 Self-Retracting Lifeline or personal fall limiter) prior to stepping onto or off of the ladder rungs. Do not exceed a single-user working load.

Authorized Signature:



Chad McBride
Vice President of Operations - KStrong

ISO 17025 Accredited Test Laboratory



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SATRA reference: SPC0249418 /1635

Your reference: SATRA/026/2016-17

Date of report: 21 November 2016

Samples received: 31 October 2016

For the attention of: Prashant Kumar

Date(s) work carried out: Between 11 & 16
November 2016

TECHNICAL REPORT

Subject: Testing of ladder rung anchor extension post described as "Post PN7000(06)" (Alloy steel) & "7000(06)SS" (stainless steel) in accordance with EN 795: 2012 type A

Conditions of Issue:

This report may be forwarded to other parties provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

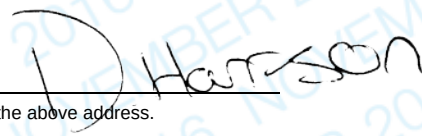
Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

Tests marked $\neq$ fall outside the UKAS Accreditation Schedule for SATRA. All interpretations of results of such tests and the comments based upon them are outside the scope of UKAS accreditation and are based on current SATRA knowledge.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

The uncertainty of the results (UoM) in this report is based on a standard uncertainty multiplied by a coverage factor $k=2$, which provides for a confidence level of approximately 95%.

Report signed by: Daniel Harrison
Position: PPE Technologist
Department: Safety Product Testing



WORK REQUESTED

Samples of ladder rung anchor extension post described as "Post PN7000(06)" (Alloy steel) & "7000(06)SS" (stainless steel), were received by SATRA on the 31st October 2016, for testing in accordance with EN 795: 2012 type A

CONCLUSIONS

SAMPLE REFERENCE	STANDARD	CLAUSE / PROPERTY	PASS / FAIL
Post PN7000(06) (Alloy steel) & 7000(06)SS (stainless steel)	EN 795: 2012	4.1 General	PASS
		4.2 Materials	PASS
		4.3 Design and ergonomics	PASS
		4.4 Specific requirements – type A	PASS

TESTING

Testing was carried out in accordance with EN 795: 2012 between the 11th & 16th November 2016

For the purposes of testing, the anchor device was installed at the top of a ladder to the top 3 ladder rungs (see figure 1), with test forces applied in a vertical direction. The ladder rungs were 25.4mm in diameter and spaced 255mm apart

Samples were tested as received, and were not subject to any pre-conditioning processes other than those stated in individual test clauses



Figure 1 – Anchor device described as “Post PN7000(06) (Alloy steel)” & “7000(06)SS (stainless steel)”

TEST RESULTS

Table 1 – Testing of anchor device described as “Post PN7000(06) (Alloy steel)” & “7000(06)SS (stainless steel)” in accordance with EN 795: 2012 as a type A device

EN 795: 2012 CLAUSe / TEST	EN 795: 2012 REQUIREMENT	RESULT / COMMENT	UoM (See note 1)	PASS / FAIL
4.1 General	Anchor devices shall be designed so that they can be removed from the structure, without damaging the structure or anchor, thus allowing reuse	Anchor device can be removed without damaging the structure or the device		PASS
	U-bolt clamps shall not be used for terminations in any part of an anchor device	No U-bolt clamps used for terminations		PASS
	It shall not be possible for elements with an anchor point to become detached unintentionally. If an element can be removed it shall be designed to have at least 2 separate deliberate manual actions	Unintentional detachment unlikely during normal use. All components require at least 2 deliberate manual actions to remove		PASS
			N/A	
	Anchor devices shall allow connectors to rotate freely and sit in the anchor in the preferred load-bearing position	Connectors are free to rotate and sit in the preferred load bearing position		PASS
	Where an anchor device comprises more than one element, the design shall be such that those elements cannot appear to be correctly assembled without being positively locked together	Incorrect assembly would be visually evident		PASS

EN 795: 2012 CLAUSE / TEST	EN 795: 2012 REQUIREMENT	RESULT / COMMENT	UoM (See note 1)	PASS / FAIL
4.1 General (continued)	The mass of any element of an anchor device that is intended to be transported shall be less than 25kg If a fall indicator is incorporated, the indicator shall clearly show when a fall has occurred If an anchor device consists of a combination of several types, it shall be tested for each type and for the combination If the manufacturer permits loading in more than one direction, then each safety critical direction shall be tested	Anchor device weighs 12kg Not applicable – No fall indicator provided Not applicable – Anchor device is type A only Anchor device can only be loaded in one direction	N/A N/A	PASS N/A N/A PASS
4.2.1 Materials – Metal parts	Metallic parts shall show no evidence of any corrosion that could affect the function of the device (white scaling or tarnishing is acceptable) If steel wire ropes are galvanised, this shall be done in accordance with ISO 2232	Corrosion test in accordance with ISO 9227: 2012 - 24 hours Neutral Salt Spray, followed by 1 hour drying, followed by a further 24 hour exposure Temperature: 35 °C Fall out rate: 1.25 ml/hr pH of test solution: 6.1 Specific gravity of test solution: 1.030 See note 4 Mild to heavy white and black scaling present on all components of both types of anchor. No other visual evidence of any corrosion present	See table 2 See note 2	PASS
4.3 Design and ergonomics	Anchor devices shall not have sharp edges or burrs that may cause injury to the user or that may damage itself or any other equipment it may come into contact with	No sharp edges or burst that could add additional risk to user	N/A	PASS
4.4.1.1 Specific requirements – Type A anchor deformation test	No part of a type A anchor which is intended to deform, shall demonstrate permanent deformation of more than 10mm	Not applicable – Anchor device is not intended to deform	± 50 N See note 2	PASS

EN 795: 2012 CLAUSE / TEST	EN 795: 2012 REQUIREMENT	RESULT / COMMENT	UoM (See note 1)	PASS / FAIL
4.4.1.2 Specific requirements – Type A anchor dynamic strength & integrity test	When tested dynamically with a rigid steel mass of 100 kg, the test mass shall be arrested. The anchor must then hold an increased mass of 300kg for 3 minutes	Sample: Post PN7000(06) (Alloy steel) 100kg mass held following 3.1m free fall using 2m EN 892 reference lanyard Peak arrest force:9.9kN (See figure 2) Displacement of anchor point:0mm Residual strength: 300kg held for 3 minutes without failure	± 40 mm See note 2	PASS
4.4.1.3 Specific requirements – Type A anchor static strength test	Metallic elements shall sustain a force of at least 12 kN for 3 minutes without release, and non-metallic elements shall sustain a force of at least 18kN for 3 minutes without release	Sample: Post PN7000(06) (Alloy steel) 12kN sustained for 3 minutes without failure See note 3 Sample: 7000(06)SS (stainless steel) 12kN sustained for 3 minutes without failure See note 3	± 50 N See note 2	PASS

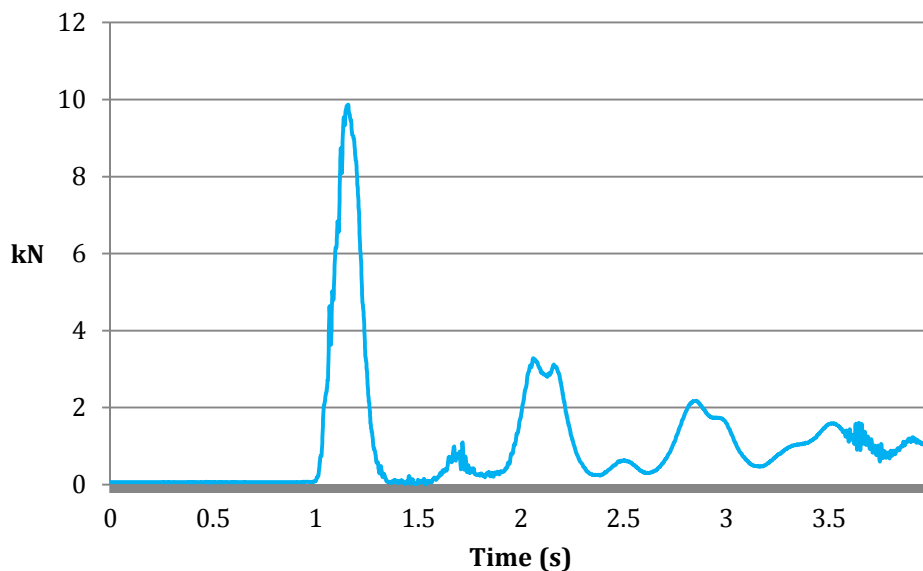


Figure 2 – Dynamic performance test: Graph of force vs. time

ADDITIONAL INFORMATION / NOTES

Table 2 – Additional uncertainty of measurement information (see note 2)

CLAUSE	TEST / COMPONENT	UoM (see note 2)
Corrosion resistance	Temperature	$\pm 0.99^{\circ}\text{C}$
	Fall-out rate of collected solution	$\pm 2.25\text{ ml } (\pm 0.04\text{ ml/hour for 24 hours})$
	Specific gravity of collected solution	$\pm 0.0010\text{ g/ml}$
	pH value of collected solution	± 0.1
	Angle of sample mounting (if applicable)	$\pm 1.44^{\circ}$

Note 1 – 'UoM' denotes estimated Uncertainty of Measurement for stated test results. This uncertainty value is based on a standard uncertainty multiplied by a coverage factor $k = 2$, which provides for a confidence level of approximately 95%

Note 2 – Estimated uncertainty of measurement applied at point of test (e.g. to applied force or to tolerance limits) to ensure product meets requirements of the standard

Note 3 – Static strength testing carried out by manually increasing loading, therefore rate of stressing / crosshead velocity as per EN 364: 1992 Clauses 4.1.2.1 & 4.1.2.2 cannot be accurately determined (see VG11 recommendation for use sheet CNB/P/11.023 dated 25.10.2007)

Note 4 – pH value of test solution were found to exceed the tolerances specified in ISO 9227: 2012. This was not considered to significantly influence results however

TERMS AND CONDITIONS OF BUSINESS

1. **GENERAL**
Work done or services undertaken are subject to the terms and conditions detailed below and all other conditions, warranties and representations, expressed or implied are hereby excluded.
2. **PRICES**
Prices are based on current material and production costs, exchange rates, duty and freight and are subject to change without notice.
3. **DELIVERY ESTIMATES**
Delivery estimates are made in good faith and date from receipt of a written order and full information to enable us to proceed. While SATRA or its subsidiaries (hereafter referred to as "SATRA") make every effort to fulfil them, such estimates are subject to unforeseen events and if not maintained, cannot give rise to any claim. Offers "ex stock" are subject to prior sale.
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Cancellation of orders for goods, services, training or consultancy is only acceptable by prior agreement of SATRA and a charge will normally be made.
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9. **TEST REPORTS**
Results given in test reports refer only to samples submitted for analysis and tested by SATRA. A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the Customer as a result of information supplied in a test report.
10. **TEST SAMPLES**
Unless otherwise agreed in advance, test samples will be disposed of 6 weeks after the date of the final report. If required, samples can be returned at the Customer's expense.
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Every effort is made to ensure accuracy in description, drawings and other information in correspondence, catalogues, etc but no warranty is given in this respect and SATRA shall not be liable for any error therein. SATRA carries out all tests and/or advises only on the basis that the same are carried out, made or given without any responsibility whether for negligence or otherwise. SATRA and its servants or agents will not be liable for any damage or loss direct or indirect of whatsoever kind, whether or not the same results directly or indirectly from negligence on the part of SATRA or its servants or agents.
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Unless specifically excluded in the terms of an individual contract between SATRA and its Customer, the following shall apply to all reports, advice, drawings, photographs, specifications or data:
 - i. The above shall not be disclosed to third parties or used in litigation without the consent of SATRA.
 - ii. Where SATRA has given consent to disclosure, the Customer shall draw the attention of the third party to these terms of business and the basis on which SATRA undertakes test, reporting and advising. The Customer shall indemnify SATRA for any failure to do so.
 - iii. The above items are submitted to the Customer as confidential documents. Confidentiality shall continue to apply after completion of the business, but shall cease to apply to information or knowledge which may come into the public domain.
13. **CONSTRUCTION AND ARBITRATION**
The laws of England shall govern all contracts and the parties submit to exclusive jurisdiction of the courts of England, unless otherwise agreed.

Issue Date: 1st October 2009