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Test Report

ANSI Z359.15-2014
Single Anchor Lifelines and Fall Arresters
(Qualification Testing)

Report no:	2.21.05.22
Client:	Jinhua Jech Tools Co., Ltd. No.1448 Tongxi Road, Linjiang Industrial Park Wucheng District Jinhua City Zhejiang 321025 China
Manufacturer:	Jinhua Jech Tools Co., Ltd.
Client order:	T/0850
Order received:	14 January 2021
Model:	JE002S, incorporating Single anchor lifeline JE60160A and Fall arrester JE300225L
Dates of tests:	15 January 2021 to 28 May 2021

Signed:

Steven Sum, Laboratory Manager

Issued: 28 May 2021

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Specimens will be disposed of four weeks from the date of this report, unless otherwise instructed.

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Tests marked ☒ are not included in our ANAB Scope of Accreditation.

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Summary of assessment*

Clause	Requirement		Assessment (see key)
3.1	**Single Anchor Lifeline Components**		
3.1.1	Integral connectors		NAs
3.1.2	Rope characteristics		NAs
3.1.3	Elastic elongation		Pass
3.1.4	Rope diameter		Pass
3.1.5	Rope fabrication		NAs
3.1.6	Materials		NAs
3.1.7	Lifelines supplied with factory terminations	Breaking strength	Pass
3.1.8.1		Spliced	Ltd
3.1.8.2		Stitched	NAp
3.1.8.3		Swaged	NAp
3.1.9	Breaking strength - lifeline supplied without factory termination		
3.1.10	Dual purposes / rope access or descent control applications		NAp
3.1.11	Residual static strength		Pass
3.1.12.1	Wire rope lifeline	Breaking strength	
3.1.12.2		Construction	
3.1.12.3		Factory terminations	
3.2	**Fall arrester Components**		
3.2.1	Integral connectors		NAs
3.2.2	Non-integral energy absorber and energy absorbing lanyards		NAp
3.2.3	Integral lanyards		Ltd
3.2.4	Locking (fall stopping) function		Pass
3.2.5	Dynamic performance (manual override)		Pass
3.2.6	Open with two consecutive and deliberate actions		Pass
3.2.7	Knot or hitch		Pass
3.2.8	Integral rings and openings		NAp
3.2.9	Static strength		Pass
3.2.10	Dynamic performance - ambient		Pass
	Dynamic performance - hot		Pass
	Dynamic performance - cold		Pass
	Dynamic performance - wet		Pass

Clause	Requirement	Assessment (see key)
3.2.11	Function test	Pass
3.2.12	Residual static strength	Pass
3.2.13	Corrosion resistance	Pass
5.1 / 5.2	Marking requirements	Ltd
5.3 / 5.4	Instruction requirements	Ltd

Key

	Shading shows the clauses requested. Any other clauses were not requested.
Pass	Requirement satisfied.
Ltd	Testing requested was insufficient completely to verify compliance with the clause. Refer to the "Result details" section for more information.
Fail	Requirement not satisfied. Refer to the "Result details" section for more information.
NAs	Assessment not carried out.
NAp	Requirement not applicable.
NT	Requested but not tested due to early termination following failure.

* Assessment relates only to those specimens which were tested and are the subject of this report.

Submission 01 details

Product	Quantity	Date received	INSPEC specimen no. (2J015+)
Single anchor lifeline, model JE60160A and Fall arrester, model JE300225L	21 sets	13 January 2021	01-21

Submission 02 details

Product	Quantity	Date received	INSPEC specimen no. (2J015+)
Single anchor lifeline, model JE60160A and Fall arrester, model JE300225L	21 sets	24 March 2021	22-42

Submission 03 details

Product	Quantity	Date received	INSPEC specimen no. (2J015+)
Single anchor lifeline, model JE60160A and Fall arrester, model JE300225L	12 sets	12 April 2021	43-54

Procedures

The specimens detailed within the submissions above were used for the tests covered by this report.

Testing was performed in accordance with ANSI Z359.15-2014 unless otherwise specified below. Reference should be made to the standard when reading this report.

Unless stated otherwise, specimens were tested in the condition as received by INSPEC.

Testing was performed at INSPEC's laboratory in Kunshan, China.

The manufacturer made the following declarations:

Single anchor lifelines, models JE60160A are available in 25FT, 50FT, 100FT, 150FT and 200FT lengths. They have the same design, have the construction and use the same materials. Only the lengths are different.

Result details

3 Design requirements

3.1 Single Anchor Lifeline Components

3.1.1 Connectors

Specimen 2J01501 was assessed.

Testing of integral connectors was not requested NAs

3.1.2 Rope characteristics

This clause was not assessed. Manufacturer to certify. NAs

3.1.3 Elastic elongation

Specimens 2J01519 to 2J01521 were assessed.

The average elastic elongation of a single anchor lifeline was 9% at a load of 1800 pounds. This was not greater than the 10% permitted. Pass

3.1.4 Rope diameter

Specimens 2J01519 to 2J01520 were assessed.

The average minimum nominal diameter measured was 0.62 inches. This value is more than 0.433 inch permitted. Pass

3.1.5 Rope fabrication

This clause was not assessed. Manufacturer to certify. NAs

3.1.6 Materials

This clause was not assessed. Manufacturer to certify. NAs

3.1.7 Lifeline supplied with factory termination – Breaking strength

Specimens 2J01516 to 2J01518 were assessed.

All specimens withstood the tensile tests of 5,000 pounds applied for 1 minute without breaking. Pass

3.1.8 Single anchor lifelines supplied with a factory termination

3.1.8.1 Spliced terminations

Specimen 2J01501 was assessed.

a) The rope manufacturer's recommendations for the formed eye terminations in rope were not submitted. Manufacturer to certify. NAs

b) The rope construction was of three strands.

The eye splice included four tucks. This is not less than the minimum 4 tucks specified. Pass

c) A properly sized thimble was incorporated within the eye terminations. Pass

d) Knots were not used to form the end terminations. Pass

e) The ends of the rope were finished so as to prevent unravelling or unsplicing. Pass

3.1.8.2 Stitched terminations

There were no stitched eye terminations. NAp

3.1.8.3 Swaged terminations

There were no swaged eye terminations. NAp

3.1.10 Dual purposes – rope access / descent control applications

Not claimed. NAp

3.1.11 Residual static strength

Specimens 2J01501 to 2J01503 were assessed.

Following the dynamic performance tests, all specimens withstood the tensile test of 1,800 pounds applied for 1 minute without breaking. Pass

3.2 Fall Arrester Components

3.2.1 Connectors

Specimen 2J01501 was assessed.

The fall arrester incorporated a snaphook.

The testing of the snaphook was not requested. NAs

3.2.2 Non-integral energy absorber and energy absorbing lanyards

There was no non-integral energy absorber or energy absorbing lanyard. NAp

3.2.3 Lanyards integral to fall arresters

3.2.3.1 Characteristics

This clause was not assessed. Manufacturer to certify these characteristics — NAs

3.2.3.2 Lanyards termination

Specimen 2J01537 was assessed.

The specimen was terminated by stitching. The terminations satisfied 3.1.8.2, as appropriate (see below). — Ltd

3.1.8.2 Stitched terminations

Specimen 2J01537 was assessed.

a) Lock stitches sewn on all stitched eye termination straps were not assessed. Manufacturer to certify. — NAs

b) The material and characteristics of thread used was not assessed. Manufacturer to certify. — NAs

c) Threads used for sewing the lanyard were white colour. This contrasted with the blue colour of the lanyard. — Pass

d) This clause is not applicable to the type of lanyard tested. — NAp

e) The ends of the lanyard were hot-cut so as to prevent unravelling. — Pass

3.2.3.3 Static strength

Specimens 2J01537 to 2J01539 were assessed.

The specimens withstood the tensile test of 3,600 pounds applied for 1 minute without breaking. — Pass

3.2.3.4 Connectors

Specimen 2J01501 was assessed.

The specimen included a snaphook. Testing of the snaphook was not requested — NAs

3.2.3.5 Deployment indicator or warning flag

Subsequent to the testing of specimens 2J01534 against 3.2.5, it became obvious that the energy absorber had been activated. — Pass

3.2.4 Locking (fall stopping) function

Specimen 2J01534 was assessed.

During the dynamic performance test in 3.2.5, the locking features of the fall arrester activated without any intervention. — Pass

3.2.5 Dynamic performance (Manual override)

Specimens 2J01534 to 2J01536 were assessed.

During the dynamic performance (manual override) tests, the fall arrester arrested the fall, and holds the load for a minimum of 1-minute without moving further down the lifeline. Pass

The total fall distances were:

Specimen 2J01534 – 10.7 ft Pass
Specimen 2J01535 – 10.4 ft Pass
Specimen 2J01536 – 10.2 ft Pass

These values were less than the maximum 11 feet permitted.

The average arrest forces were:

Specimen 2J01534 – 655 pounds Pass
Specimen 2J01535 – 648 pounds Pass
Specimen 2J01536 – 662 pounds Pass

These values were less than the maximum 900 pounds permitted.

The maximum arrest forces were:

Specimen 2J01534 – 771 pounds Pass
Specimen 2J01535 – 747 pounds Pass
Specimen 2J01536 – 789 pounds Pass

These values were less than the maximum 1,800 pounds permitted.

See Annex 1 for the plots of force versus time.

Specimens 2J01534 to 2J01536 were assessed.

3.2.6 Two consecutive and deliberate actions were required to open the fall arrester. Pass

3.2.7 The fall arrester did not include a knot or hitch. Pass

3.2.8 There were no integral rings or similar openings. NAp

3.2.9 Static strength

Specimens 2J01537 to 2J01539 were assessed.

The specimens withstood the tensile test of 3,600 pounds applied for 1 minute without release the load. Pass

3.2.10 Dynamic performance - Ambient

Specimens 2J01543 to 2J01545 were assessed.

During the dynamic performance tests, the fall arrester locked on the lifeline and remains locked, holding the test weight for a minimum of 1-minute until released. Pass

The total fall distances were:

Specimen 2J01543 – 10.3 ft Pass
Specimen 2J01544 – 9.9 ft Pass
Specimen 2J01545 – 10.0 ft Pass

These values were less than the maximum 11 feet permitted.

The average arrest forces were:

Specimen 2J01543 – 673 pounds Pass
Specimen 2J01544 – 692 pounds Pass
Specimen 2J01545 – 668 pounds Pass

These values were less than the maximum 900 pounds permitted.

The maximum arrest forces were:

Specimen 2J01543 – 773 pounds Pass
Specimen 2J01544 – 846 pounds Pass
Specimen 2J01545 – 778 pounds Pass

These values were less than the maximum 1,800 pounds permitted.

See Annex 1 for the plots of force versus time.

3.2.10 Dynamic performance – Hot conditioning test

Specimens 2J01546 to 2J01548 were assessed.

During the dynamic performance tests, the fall arrester locked on the lifeline and remains locked, holding the test weight for a minimum of 1-minute until released. Pass

The total fall distances were:

Specimen 2J01546 – 10.1 ft Pass
Specimen 2J01547 – 10.5 ft Pass
Specimen 2J01548 – 10.0 ft Pass

These values were less than the maximum 11 feet permitted.

The average arrest forces were:

Specimen 2J01546 – 714 pounds Pass
Specimen 2J01547 – 705 pounds Pass
Specimen 2J01548 – 699 pounds Pass

These values were less than the maximum 900 pounds permitted.

The maximum arrest forces were:

Specimen 2J01546 – 1004 pounds Pass
Specimen 2J01547 – 995 pounds Pass
Specimen 2J01548 – 947 pounds Pass

These values were less than the maximum 1,800 pounds permitted.

See Annex 1 for the plots of force versus time.

3.2.10 Dynamic performance – Cold conditioning test

Specimens 2J01549 to 2J01551 were assessed.

During the dynamic performance tests, the fall arrester locked on the lifeline and remains locked, holding the test weight for a minimum of 1-minute until released. Pass

The total fall distances were:

Specimen 2J01549 – 9.7 ft Pass
Specimen 2J01550 – 9.3 ft Pass
Specimen 2J01551 – 9.4 ft Pass

These values were less than the maximum 11 feet permitted.

The average arrest forces were:

Specimen 2J01549 – 712 pounds Pass
Specimen 2J01550 – 716 pounds Pass
Specimen 2J01551 – 711 pounds Pass

These values were less than the maximum 900 pounds permitted.

The maximum arrest forces were:

Specimen 2J01549 – 865 pounds Pass
Specimen 2J01550 – 872 pounds Pass
Specimen 2J01551 – 850 pounds Pass

These values were less than the maximum 1,800 pounds permitted.

See Annex 1 for the plots of force versus time.

3.2.10 Dynamic performance – Wet conditioning test

Specimens 2J01552 to 2J01554 were assessed.

During the dynamic performance tests, the fall arrester locked on the lifeline and remains locked, holding the test weight for a minimum of 1-minute until released. Pass

The total fall distances were:

Specimen 2J01552 – 9.0 ft Pass
Specimen 2J01553 – 9.0 ft Pass
Specimen 2J01554 – 9.2 ft Pass

These values were less than the maximum 11 feet permitted.

The average arrest forces were:

Specimen 2J01552 – 805 pounds Pass
Specimen 2J01553 – 850 pounds Pass
Specimen 2J01554 – 872 pounds Pass

These values were less than the maximum 900 pounds permitted.

The maximum arrest forces were:

Specimen 2J01552 – 1054 pounds Pass
Specimen 2J01553 – 1144 pounds Pass
Specimen 2J01554 – 1109 pounds Pass

These values were less than the maximum 1,800 pounds permitted.

See Annex 1 for the plots of force versus time.

3.2.11 Function test

Specimens 2J01540 to 2J01542 were assessed.

The specimens travelled up and down the lifeline without assistance. Pass

3.2.12 Residual static strength

Specimens 2J01543 to 2J01545 were assessed.

Following the dynamic performance tests, the fall arrester did not move down the lifeline when a tensile force of 660 pounds was applied for 1 minute. Pass

3.2.13 Corrosion resistance

Specimens 2J01540 to 2J01542 were assessed.

Following the salt spray test, there was no evidence of corrosion of the base metal and the fall arrester operated as intended. Pass

5 Markings and Instructions

5.1 General Marking Requirements

5.1.1	Markings shall be in English.	Pass
5.1.2	The legibility and attachment of required markings shall endure for the life of the fall arrester or single anchor lifeline being marked was not assessed.	NAs
	Marking labels were provided electronically and use for assessment.	
	When pressure sensitive labels are used, they shall comply with the applicable provision of reference UL 969-89, Marking and Labelling Systems. This requirement was not assessed. Manufacturer to certify.	NAs

5.2 Specific Marking Requirements

5.2.1	Fall arresters shall be marked with the following:	
	· Part number or model designation; [JE300225L]	Pass
	· Year of manufacture; [2020]	Pass
	· Manufacturer's name or logo; [JECH]	Pass
	· Capacity rating; [130-310lbs]	Pass
	· Serial number; [0001]	Pass
	· Standard number "Z359.15";	Pass
	· Warning to follow the manufacturer's instructions included with the equipment at time of shipment from the manufacturer;	Pass
	· The direction of use of the fall arrester on its single anchor lifeline;	Pass
	· The proper size(s) and type(s) of single anchor lifeline with which the fall arrester is intended to be used; [5/8 inch / 16mm]	Pass
	· Warning to use only manufacturer approved lanyards according to instructions.	Pass
5.2.2	Single anchor lifelines shall be marked to identify:	
	· The fiber used in the material of construction; [Polypropylene]	Pass
	· The diameter of lifeline; [5/8 inch (16mm)]	Pass
	· The length of the lifeline;	Pass
	· The model of fall arrester(s) acceptable for use with the lifeline; [JE300225L]	Pass
	· The need to avoid contact with sharp edges and abrasive surfaces;	Pass
	· Standard number "Z359.15";	Pass
	· Serial number; [0001]	Pass
	· Part number or model designation; [JE60160A]	Pass
	· Year of manufacture; [2020]	Pass
	· Manufacturer's name or logo. [JECH]	Pass

5.2.3 Integral lanyards shall be marked to identify:

· The material used in lanyard construction; [Polyester]	Pass
· The length of the lanyard; [3 ft]	Pass
· The need to avoid contact with sharp edges and abrasive surfaces;	Pass
· The need to make only compatible connections;	Pass
· The average arrest force, maximum free fall distance, maximum deployment distance and capacity;	Pass
· Standard number "Z359.15";	Pass
· Serial number; [0001]	Pass
· Part number or model designation; [JE300300]	Pass
· Year of manufacture; [2020]	Pass
· Manufacturer's name or logo. [JECH]	Pass

5.3 General Instruction Requirements

5.3.1	Instructions shall be provided to the user, printed in English and affixed to the equipment at the time of shipment from the manufacturer.	Ltd
5.3.2	Instructions shall contain the following information:	
	· A statement that the manufacturer's instructions shall be provided to users;	Pass
	· Manufacturer's name, address and telephone number;	Pass
	· Manufacturer's part number or model designation for the equipment;	Pass
	· Intended use and purpose of the equipment;	Pass
	· Proper method of use and limitations on use of the equipment;	Pass
	· Illustrations showing locations of markings on the equipment;	Pass
	· Reproduction of printed information on all markings;	Pass
	· Inspection procedures required to assure the equipment is in serviceable condition and operating correctly;	Pass
	· Anchorage requirements;	Pass
	· Criteria for discarding and retiring equipment which fails inspection;	Pass
	· Procedures for cleaning, maintenance and storage;	Pass
	· A reference chart that indicates the clearance requirements of the system according to the fall	Pass
5.3.3	Instructions shall require that only the equipment manufacturer, or persons or entities authorized in writing by the manufacturer, shall make repairs to equipment.	Pass
5.3.4	Instructions shall require the user to remove equipment from field service if it has been subject ed to the forces of arresting a fall.	Pass
5.3.5	Instructions shall require the user to have a rescue plan and the means at hand to implement it when using the equipment.	Pass
5.3.6	Instructions shall provide warnings regarding:	
	· Altering the equipment;	Pass
	· Misusing the equipment;	Pass
	· Using combinations of fall arresters, lanyards, lifelines, which may affect or interfere with the safe function of each other;	Pass
	· Exposing the equipment to chemicals which may produce a harmful effect and to consult the manufacturer in cases of doubt;	Pass
	· Using the equipment around moving machinery and electrical hazards;	Pass
	· Using the equipment near sharp edges and abrasive surfaces, as well as the need for abrasion protection;	Pass
	· Other warnings deemed necessary by the manufacturer.	Pass

5.4 Specific Instruction Requirements

5.4.1 Fall Arresters. In addition to the requirements in 5.3, instructions for fall arresters shall include:

· Acceptable lanyards, by make and model, for use with the fall arrester;	Pass
· How to attach the lanyard to the fall arrester;	Pass
· The maximum allowable free fall distance;	Pass
· Proper method of connection to the full body harness (frontal and/or dorsal connection);	Pass
· Warnings that the fall arrester shall be attached to no more than one lifeline;	Pass
· Warnings that the fall arrester shall be attached to no more than one user;	Pass
· Warnings to avoid exposure to physical and chemical hazards which the fall arrester is not designed to withstand;	Pass
· Instructions to not manipulate or hold the fall arrester body or lever, but to move the fall arrester up/down by the lanyard;	Pass
· The maximum arrest distance and clearance requirement when dynamically tested in accordance with the requirements of this standard;	Pass
· The proper size, construction and type of single anchor lifelines with which the fall arrester is intended to be used;	Pass
· Warnings to emphasize that anchoring be above the user to prevent pendulum fall;	Pass
· Warnings to emphasize use is not suitable when the user is positioned on an unstable surface, fine grain material or particulate solids such as sand or coal;	Pass
· Information for determining total fall distance including lifeline elongation;	Pass
· Capacity range of 130 to 310 pounds;	Pass
· Standard number "Z359.15".	Pass

5.4.2 Single Anchor Lifelines. In addition to the requirements in 5.3, instructions for single anchor lifelines shall include:

· The material used in the single anchor lifeline construction;	Pass
· Proper method of coupling the single anchor lifeline to anchorage connectors and anchorages with which it is intended to be used and to adjacent components of the system;	Pass
· The minimum static strength;	Pass
· Warnings that only one fall arrester be attached to the single anchor lifeline;	Pass
· Warnings that only one user can be attached to the single anchor lifeline;	Pass
· Warnings to avoid exposure to physical and chemical hazards which the single anchor lifeline is not designed to withstand;	Pass
· Warnings using the equipment near sharp edges and abrasive surfaces and the need for abrasion protection;	Pass
· Warnings to avoid swing fall hazards encountered when the anchorage is not directly overhead;	Pass
· The proper fall arrester, by make and model, with which the single anchor lifeline is intended to be used;	Pass
· The percentage of stretch of the lifeline when loaded to 900 pounds (4 kN);	Pass
· Capacity range of 130 to 310 pounds;	Pass
· Lifeline melting point;	Pass
· Standard number "Z359.15";	Pass
· If permissible by the manufacturer, specific directions how to cut damaged sections from the lifelines and how to re-label non-terminated lifelines according to 5.2.2;	NAp
· Direction how to stabilize the lower end of the lifeline with a weight or alternative method directed by the manufacturer;	Pass
· Direction(s) regarding placement of a rope stop to prevent the fall arrester inadvertently traveling off the end of the lifeline.	Pass

Estimates of the uncertainty of measurement

Clause	Test		Uncertainty
3.1.1	Connectors		See test report
3.1.2	Rope to meet clause 7.2.1		-
3.1.3	Elastic elongation		± 0.5%
3.1.4	Rope diameter		± 0.001 inches
3.1.5	Rope fabrication		-
3.1.6	Material characteristics		-
3.1.7	Breaking strength - lifeline supplied with factory termination		See Note 1
3.1.8	Single anchor lifelines supplied with a factory termination		See Note 1
3.1.9	Breaking strength – lifeline supplied without factory termination		See Note 1
3.1.10	Dual purposes – Rope access / Descent control applications		-
3.1.11	Residual static strength		See Note 1
3.1.12.1	Breaking strength – wire rope lifeline		See Note 1
3.1.12.2	Diameter and construction		± 0.001 inches
3.1.12.3	Factory terminations		-
3.2.1	Connectors		See test report
3.2.2	Non-integral energy absorber and energy absorbing lanyards		See test report
3.2.3.3	Breaking strength – lanyards integral to fall arresters		See Note 1
3.2.3.4	Integral connectors – lanyards integral to fall arresters		See test report
3.2.4	Locking		See Note 1
3.2.5	Dynamic performance (Manual override)	Force	± 3.0%
		Fall distance	± 0.04 inches
3.2.8	Integral rings and openings		-
3.2.9	Static strength		See Note 1
3.2.10	Dynamic performance – ambient	Force	± 3.0%
		Fall distance	± 0.04 inches
	Dynamic performance – various conditions	Force	± 3.0%
		Fall distance	± 0.04 inches
3.2.11	Function test		See Note 1
3.2.12	Residual static strength		± 1.7%
3.2.13	Corrosion resistance		See Note 1
5.1 / 5.2	Marking requirements		See Note 1
5.3 / 5.4	Instruction requirements		See Note 1

Note 1 The acceptance criterion for this test is a straightforward "Pass/Fail", rather than a numerical value. Consequently, as there is no value to be reported, uncertainty has not been reported either.

Note 2 The uncertainty value is based on a standard uncertainty multiplied by a coverage factor k = 2, which provides for a confidence level of approximately 95%. Values expressed as a percentage (%) are relative.

Note 3 It should be noted that the above values have not been taken into account when making assessment to the pass/fail criteria.

ANNEX

This Annex comprises two sections.

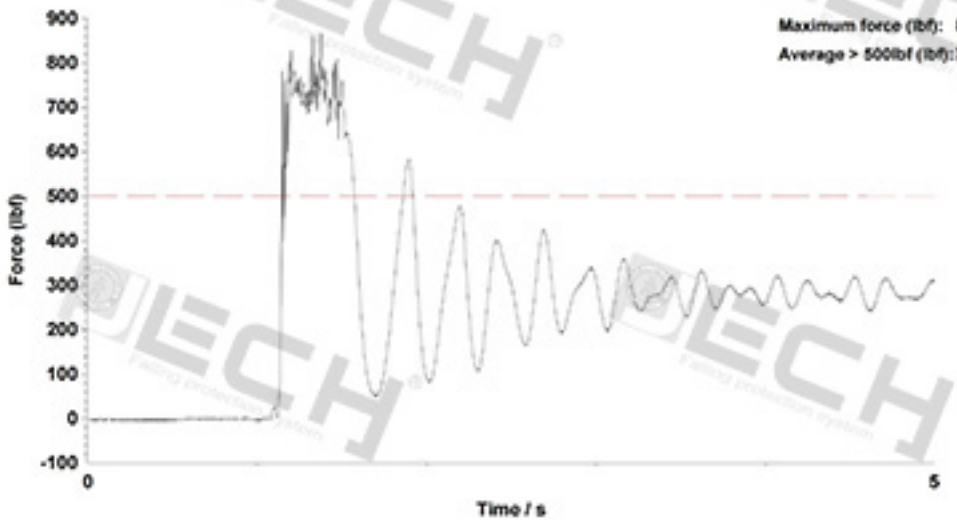
1. Plots of arrest force versus time (15 pages)

2. Photograph of the product tested. (1 page)

END OF REPORT

INSPEC Technical Services

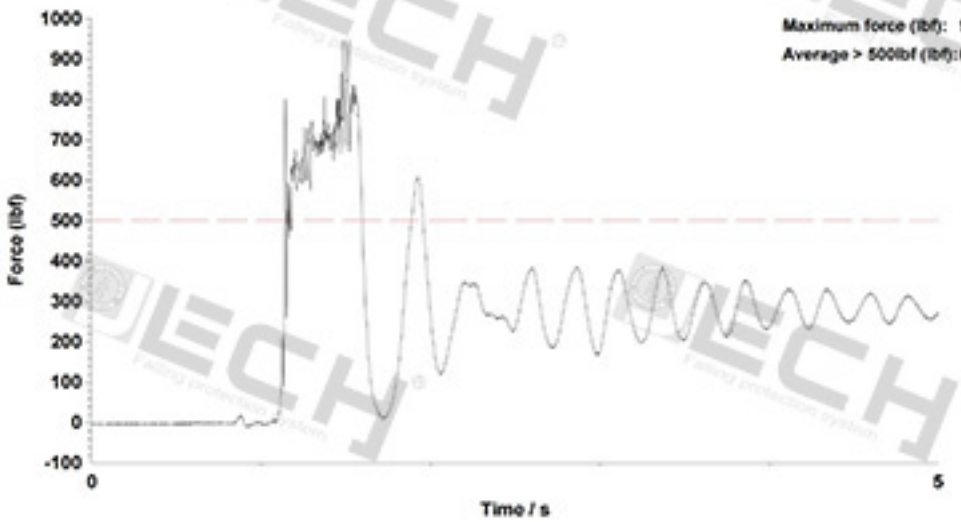
Technician:	LJ
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01549
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	10:24 17/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

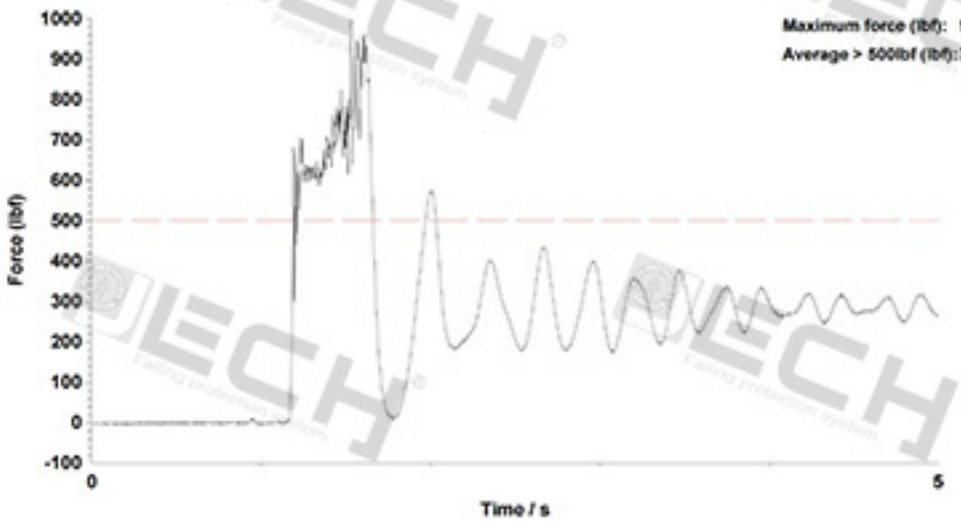
Technician:	LJ
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01548
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	10:16 17/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

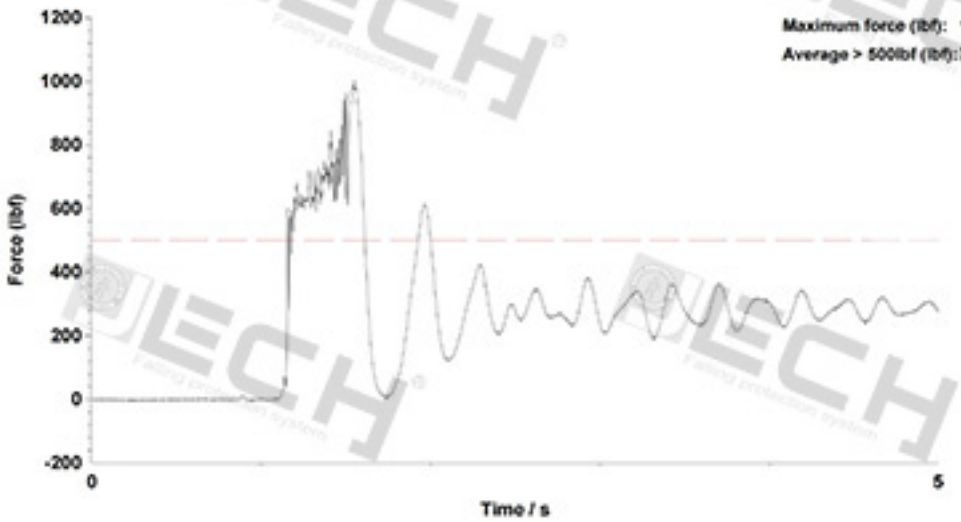
Technician:	LJ
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01547
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	10:10 17/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

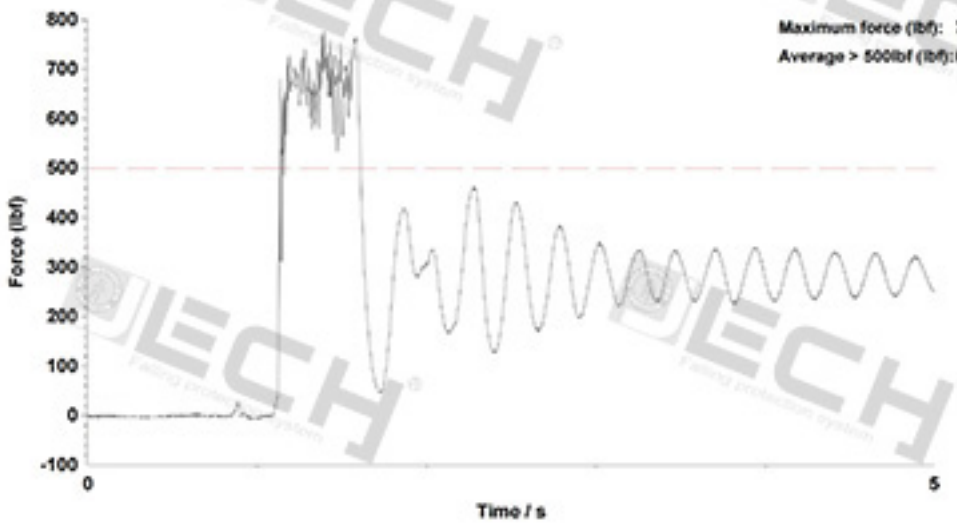
Technician:	LJ
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01546
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	10:04 17/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

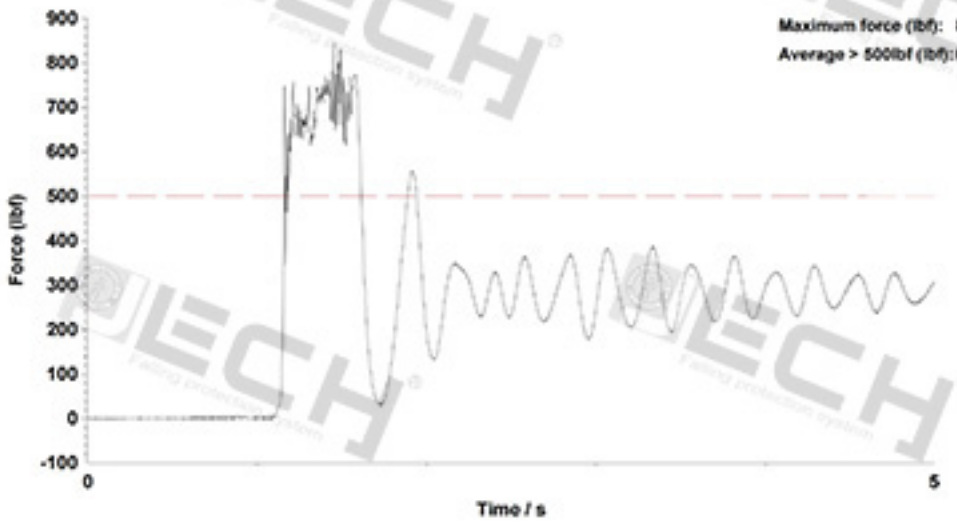
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01545
Drop item	Drop weight, US - 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	15:00 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

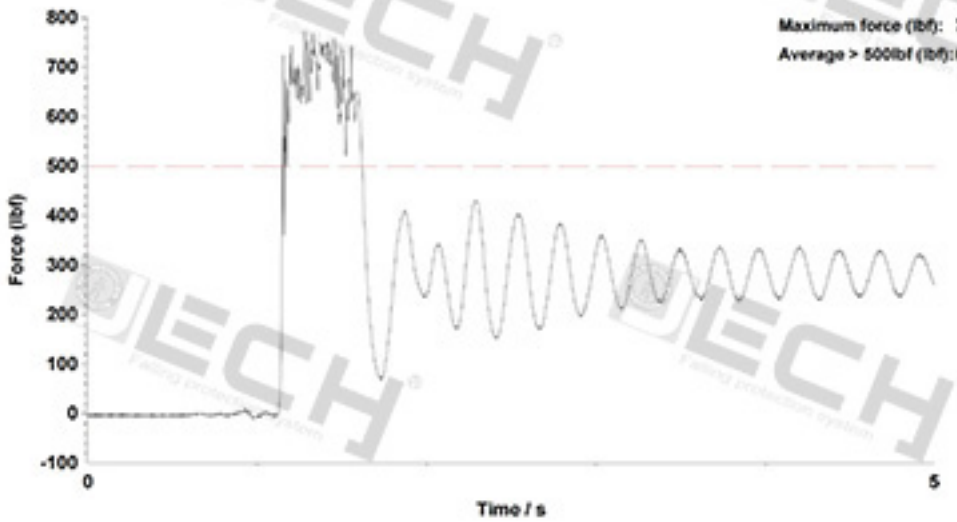
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01544
Drop item	Drop weight, US - 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	14:52 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

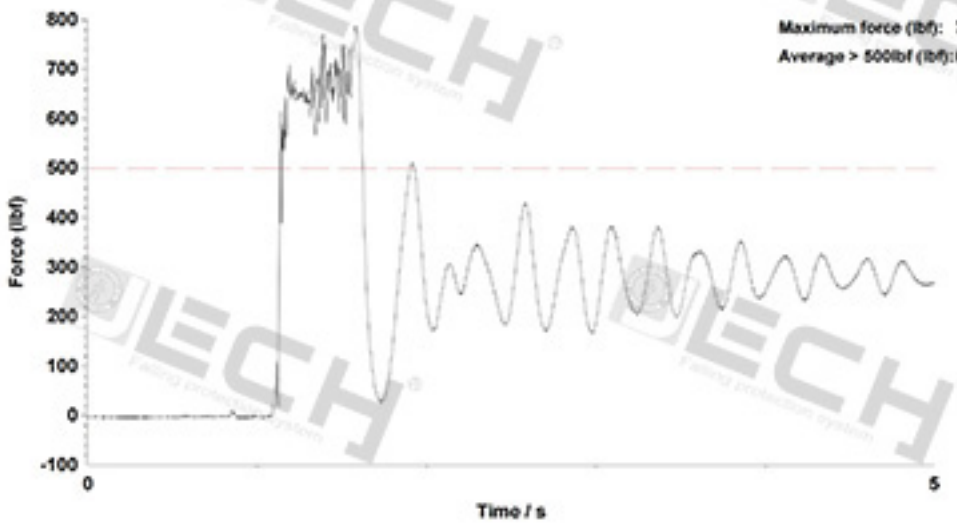
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01543
Drop item	Drop weight, US - 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	14:45 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

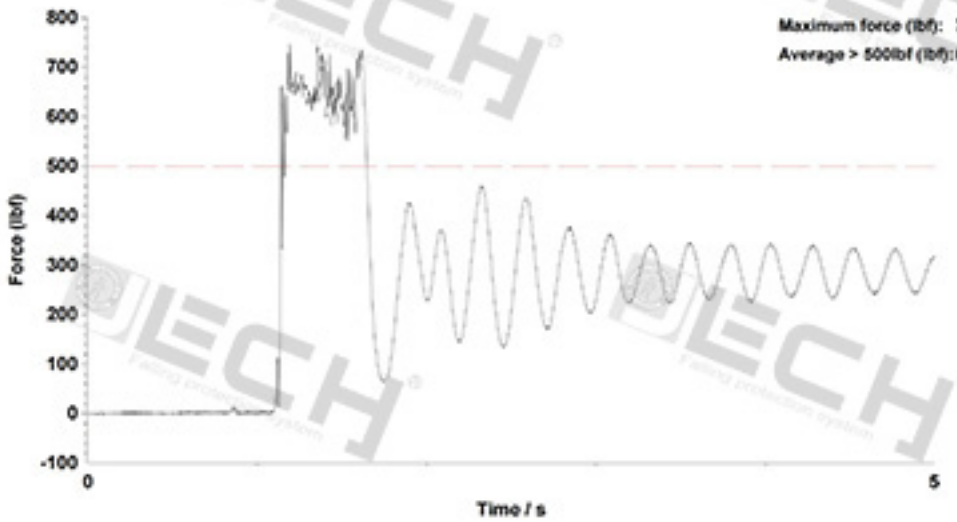
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01536
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	17:19 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

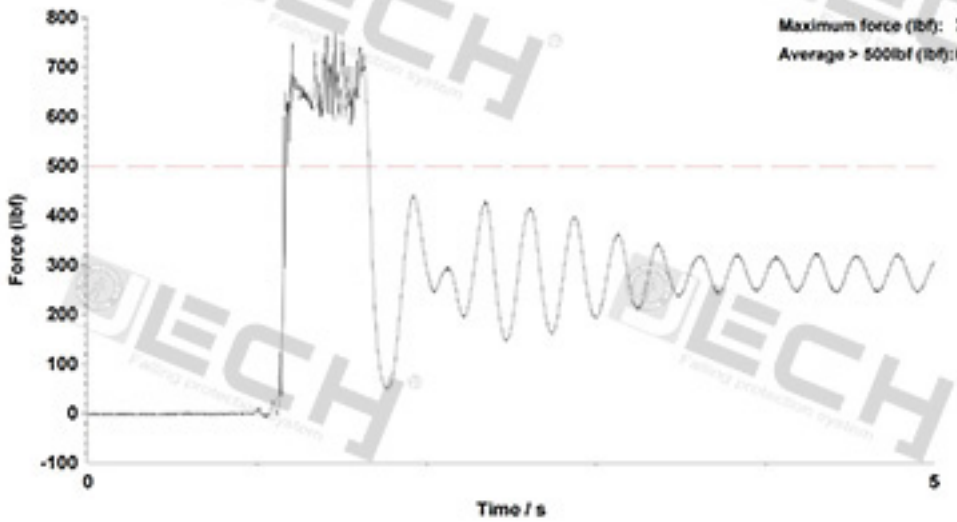
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01535
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	17:06 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

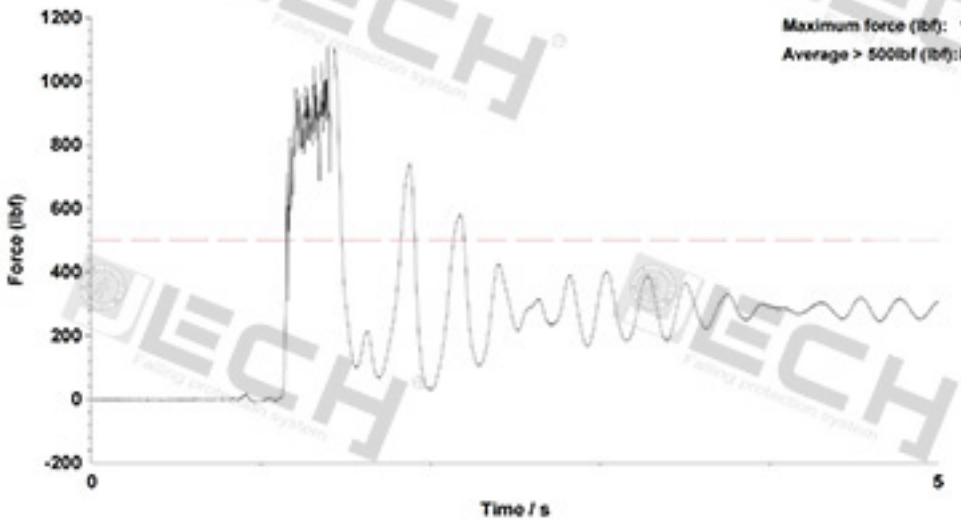
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01534
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	15:48 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

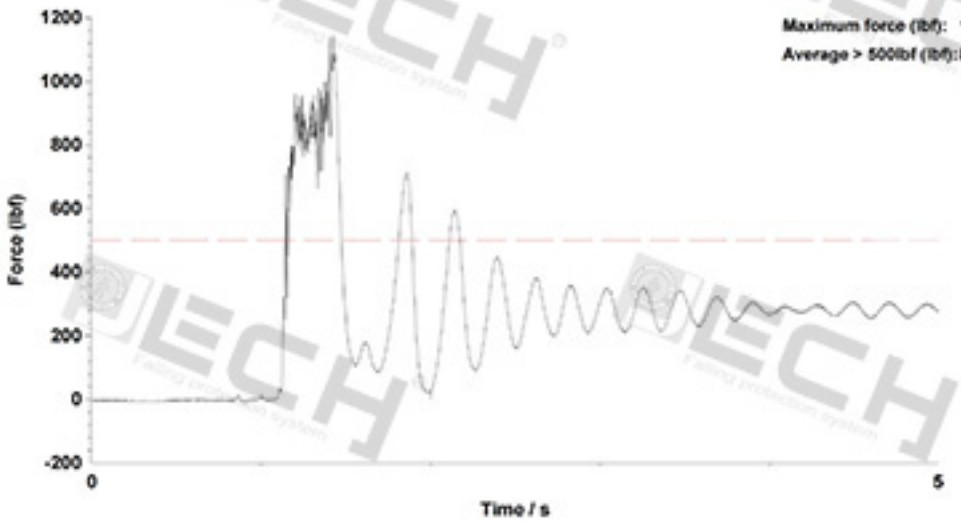
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01554
Drop item	Drop weight, US - 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	14:37 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

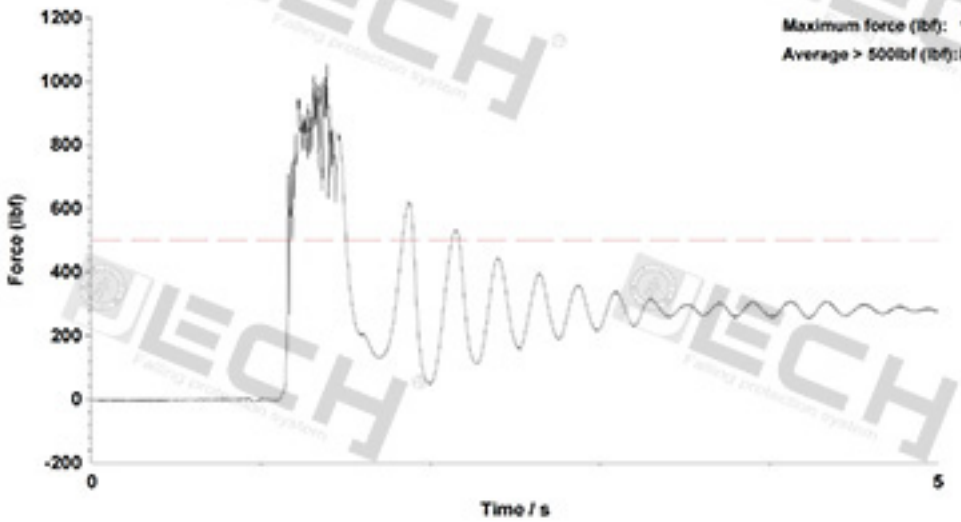
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01553
Drop item	Drop weight, US - 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	14:31 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

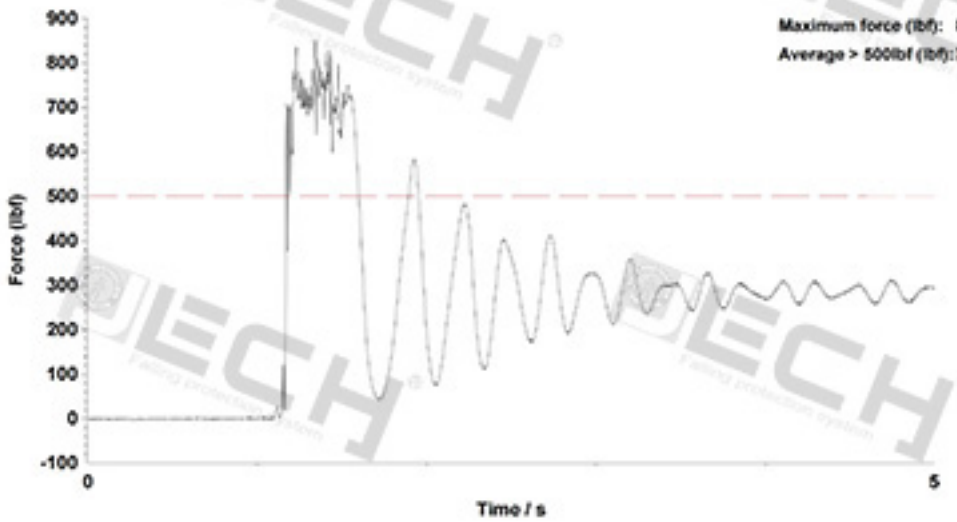
Technician:	LJ/Lu
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01552
Drop item	Drop weight, US - 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	14:22 16/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

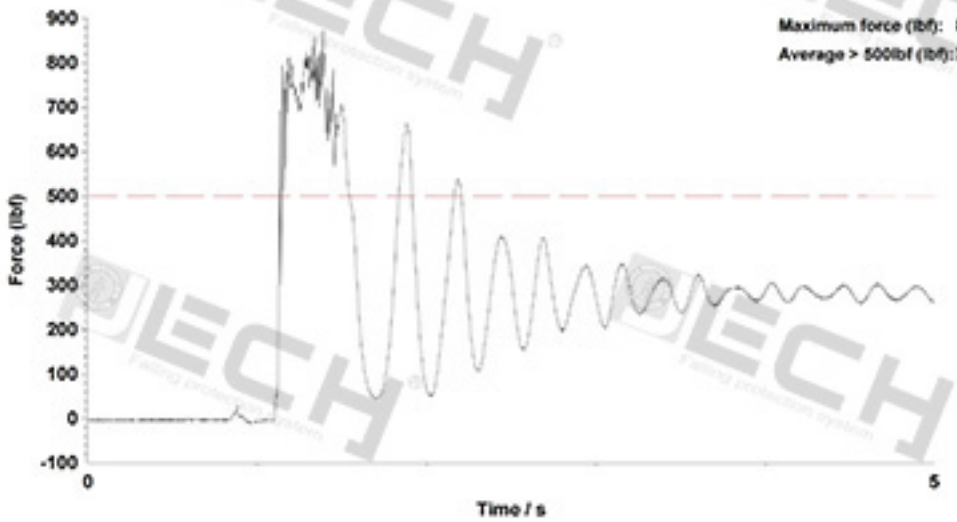
Technician:	LJ
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01551
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	10:35 17/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

INSPEC Technical Services

Technician:	LJ
Standard	ANSI Z359.15-2014 Single anchor lifeline & fall arrester
Sample / File name:	2J01550
Drop item	Test weight, US 128 kg
Orientation/Attachment Point:	Centre eyebolt
Time and Date of Test:	10:29 17/04/21



Results do not achieve full ANAB status until a formal test report has been issued.

Jinhua Jech Tools Co., Ltd –
Single anchor lifeline and Fall arrester, model JE002S

INSPEC Testing Services' specimen 2J01522 26 May 2021