INSPEC Technical Services (Kunshan) Co Ltd • 8 Jin Yang East Road • Lu Jia Zhen • Kunshan • Jiangsu • China
Email: testing@inspec.asia Website: www.inspec-international.com
Tel: +86 (512) 5011 2646 Fax: +86 (512) 5011 2656

Test Report

ANSI / ISEA 121-2018
Dropped Object Prevention Solutions

Report no:	2.20.08.04
Client:	SpanSet UK Ltd. Telford Way, Middlewich Cheshire CW10 0HX United Kingdom
Manufacturer:	SpanSet UK Ltd.
Client order:	T/0792A
Order received:	3 August 2020
Model:	2010172
Dates of tests:	2 June 2020 to 2 July 2020 and 12 August 2020

Signed:

Steven Sum, Laboratory Manager

Issued: 13 August 2020

Conditions

This report may be reproduced and distributed to your clients, provided that it is reproduced and distributed in full.

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

Opinions, comments and interpretations expressed in this report are shown in italics.

Copies of INSPEC interpretations referenced in this report are available upon request.

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

This report has been provided in accordance with our standard Terms of Business, which can be viewed at, and printed from:

http://inspec-international.com/ToB.pdf

If you have difficulty accessing the Terms of Business, you may contact us for a copy.

Summary of assessment*

Clause	Requirement	Assessment (See Key)
6.1	Design requirements - Tool tethers	Pass
6.2.1	Dynamic performance - ambient dry	Pass
	Dynamic performance - ambient wet	Pass
	Dynamic performance - cold dry	Pass
	Dynamic performance - hot dry	Pass
6.2.2	Tool tethers – multiple components	
9	Marking and Labelling	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 details

Product	Quantity	Date received	INSPEC specimen no. (2H071+)
Tool tethers, model 2010172	06	2 April 2020	01 - 06

Procedures

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

Testing was performed in accordance with ANSI/ISEA 121:2018 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.

Result details

6 Tool Tethers

6.1 Design requirements

All specimens were assessed.

All specimens incorporated a carabiner each.

All carabiners had locking gates and captive eyes. Pass

6.2.1 Dynamic test – ambient dry

Specimen 2H07102 was assessed.

The published capacity of the tool tether by the manufacturer was 30 lbs.

When tested in accordance with 6.3 with a test factor of 2:1, there was no failure of the tool tether that allowed the test weight to be released. Pass

When tested in accordance with 6.3 with a test factor of 1:1, there were no failures of the tool tether that allowed the test weight to be released. Pass

6.2.1 Dynamic test – ambient wet

Specimen 2H07103 was assessed.

The published capacity of the tool tether by the manufacturer was 30 lbs.

When tested in accordance with 6.3 with a test factor of 2:1, there was no failure of the tool tether that allowed the test weight to be released. Pass

When tested in accordance with 6.3 with a test factor of 1:1, there were no failures of the tool tether that allowed the test weight to be released. Pass

6.2.1 Dynamic test – cold dry

Specimen 2H07104 was assessed.

The published capacity of the tool tether by the manufacturer was 30 lbs.

When tested in accordance with 6.3 with a test factor of 2:1, there was no failure of the tool tether that allowed the test weight to be released. Pass

When tested in accordance with 6.3 with a test factor of 1:1, there were no failures of the tool tether that allowed the test weight to be released. Pass

6.2.1 Dynamic test – hot dry

Specimen 2H07105 was assessed.

The published capacity of the tool tether by the manufacturer was 30 lbs.

When tested in accordance with 6.3 with a test factor of 2:1, there was no failure of the tool tether that allowed the test weight to be released. Pass

When tested in accordance with 6.3 with a test factor of 1:1, there were no failures of the tool tether that allowed the test weight to be released. Pass

9 Markings and Labelling

9.1 General

Marking labels provided electronically were assessed against the requirements of ANSI 121:2018 and the results are detailed below.

- Markings were on the product itself or on labels attached to the product; NAs
- Markings were permanently affixed so as to be visible and legible; and NAs
- Markings were provided in English. Pass

9.2 Product Label Requirements

The following information shall be included on the labelling attached to the solution:

a) Name, trademark or other means of identification of the manufacturer (for all solutions) [SpanSet] Pass

b) Product identification (number, date code and/or serial number) (for all solutions); [2010172] Pass

c) Published capacity (ies), identified by weight (for all solutions); [30 lbs] Pass

d) Number of this specific ANSI standard (ANSI 121-2018); Pass

e) Tether length (for tool tethers only); [34.6 to 53 inches] Pass

f) Max. tether length (for anchor points, attachments and if applicable, containers). NAp

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. Pass

b) Limitation of use. Pass

c) Minimum and maximum size for geometry of solutions including but not limited to tool diameter, person size, etc. Pass

d) Inspection details. Pass

e) Clearance distance, if different from max tether length. NAp

Estimates of the uncertainty of measurement

Clause	Test	Uncertainty
6.1	Design requirements	-
6.2.1	Dynamic performance – ambient dry	See Note 1
	Dynamic performance – conditioning tests	See Note 1
6.2.2	Dynamic performance – ambient dry	See Note 1
	Dynamic performance – conditioning tests	See Note 1
9.1 / 9.2	Marking	-
9.3	Instructions for Use	-

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 one section.

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

END OF REPORT

SpanSet UK Ltd. –
Tool tethers, model 2010172