

Test Report

PPE against fall from a height EN 362 : 2004 Connectors

Report no:

2.15.02.13

Client:

INSPEC Certification Services
56 Leslie Hough Way
Salford
Greater Manchester
M6 6AJ
United Kingdom

(on behalf of):

JINHUA JECH TOOLS Co., Ltd

Client orders:

TA12/0127 and TA15/0014

Orders received:

16 October 2012 and 15 February 2015

Model:

1) JE523001B
2) JE523001

Date of tests:

20 October 2012 to 24 October 2012

Signed:



Steven Sum, Laboratory Manager

Issued: 23 February 2015

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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 ACLASS Scope of Accreditation.

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Summary of assessment*

Clause	Requirement	Assessment (See Key)	
		JE523001B	JE523001
4.1	General ①	Ltd	
4.2	Static strength ①	Pass	
4.3	Gate function	NAP	
4.4	Gate resistance ①	Pass	
4.5	Corrosion resistance	Pass	Pass
4.6	Marking and information	See 6 & 7 below	
6	Marking		
7	Information		

① *INSPEC Interpretation applies***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. (2Y150+)
Connector, model JE523001B	03	11 October 2012	2Y15001 to 2Y15003
	02	15 October 2012	2Y15004 and 2Y15005
Connector, model JE523001	04	15 October 2012	2Y15006 to 2Y15009

Procedures

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

Testing was performed in accordance with EN 362:2004 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 – for model JE523001B**4.1 General**

Specimen 2Y15001 was assessed.

4.1.1 The specimen had no sharp edges or burrs that may cause injury to the user, or that may cut, abrade or otherwise damage webbing or rope. Pass

4.1.2 Effects of the material of the specimen on human skin were not assessed. Manufacturer to declare. NAs

4.1.3 The connector incorporated a gate. The gate-locking feature was automatic (self-locking). Pass

4.1.4 The connector incorporated an automatic (self-locking) gate.

The gate locked automatically when the gate closed. Pass

At least two different, deliberate, manual actions were required to open the gate. Pass

4.1.5 The specimen did not incorporate a manual-locking gate. Therefore this clause is not applicable. NAs

4.1.6 The specimen was not a screwlink (Class Q) connector. Therefore this clause is not applicable. NAs

4.1.7 The gate opening specified by the manufacturer was 52 mm. A calibrated rod of 52 mm could pass through the gate opening and allowed correct closure and locking of the gate. There was free movement of the rod within the connector. Pass

4.2 Static strength

The major axis minimum static strength claimed by the manufacturer was 25 kN.

The specimen incorporated an automatic locking gate. Therefore testing was only performed along the major axis with gate closed and locked.

When tested along the major axis, with the gate closed and locked, specimen 2Y15002 withstood the 25 kN force for 3 minutes without the gate opening. Pass

The specimen was claimed by the manufacturer as a class A (anchor connector). Therefore testing was not performed on the minor axis. NAs

4.3 Gate function

This test was not required for class A connector. NAs

4.4 Gate resistance

Following the gate face test, performed with the gate closed and locked, specimen 2Y15003 withstood the 1 kN force for 90 s and the gate subsequently functioned correctly. Pass

Following the gate face test, performed with the gate closed and locked, specimen 2Y15004 withstood the 1 kN force for 60 s. Gate separation was zero which was less than the maximum 1 mm permitted. Pass

Following the gate side test, performed with the gate closed and locked, specimen 2Y15005 withstood the 1.5 kN force for 60 s without any partial fracture and the gate-locking feature subsequently functioned correctly. Pass

4.5 Corrosion resistance

Specimen 2Y15001 was assessed.

Following the salt spray test, the gate functioned correctly. Pass

There was no evidence of corrosion of the base metal of the specimens. Pass

Result details – for model JE523001

4.5 Corrosion resistance

Specimen 2Y15006 was assessed.

Following the salt spray test, the gate functioned correctly. Pass

There was no evidence of corrosion of the base metal of the specimen. Pass

Estimates of the uncertainty of measurement

Clause	Test	Uncertainty
4.1	General	•1
4.2	Static strength	±0.4%
4.3	Gate function	±0.4%
4.4	Gate resistance	Force ±0.5% Gap measurement ±0.1%
4.5	Corrosion resistance	•
4.6	Marking and information	-
6	Marking	-
7	Information	-

• 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.

Values expressed as a percentage (%) are relative.

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. Photographs of the products tested. (2 pages)

**JINHUA JECH TOOLS Co., Ltd –
Connector, model JE523001**



**JINHUA JECH TOOLS Co., Ltd –
Connector, model JE523001B**

