

Test Report

PPE against fall from a height EN 362 : 2004 Connectors

Report no: 2.15.05.16

Client: INSPEC Certification Services
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Salford,
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M6 6AJ,
United Kingdom

On behalf of: Jinhua Jech Tools Co., Ltd

Client order: TA15/0040

Order received: 18 May 2015

Model: JE512005

Dates of tests: 21 May 2015 to 25 May 2015

Signed:



Steven Sum, Laboratory Manager

Issued: 29 May 2015

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Conditions

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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)
4.1	General	Ltd
4.2	Static strength	Pass
4.3	Gate function	N/Ap
4.4	Gate resistance	Pass
4.5	Corrosion resistance	Pass
4.6	Marking and information	
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.
N/Ap	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. (job 2C066 +)
Connectors, model JE512005	07	16 May 2015	01 to 07

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**4.1 General**

Specimen 2C06601 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 was closed.
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, thus this clause is not applicable. NAp
- 4.1.6 The specimen was not a screwlink (Class Q) connector. Therefore this clause is not applicable. NAp
- 4.1.7 The gate opening specified by the manufacturer was 16 mm. A calibrated rod of 16 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

Specimen 2C06602 was assessed.

The major axis minimum static strength (with the gate closed and locked) was claimed as 25 kN by the manufacturer.

When tested along the major axis, with the gate closed and locked, specimen 2C06602 withstood the 25 kN force for 3 minutes without the gate opening. Pass

4.3 Gate function

The manufacturer claimed the specimens as class A connectors. Testing was not required for this clause for class A connectors. NAp

4.4 Gate resistance

Specimens 2C06603, 2C06604 and 2C06605 were assessed.

Following the gate face test, performed with the gate closed and locked, specimen 2C06603 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 2C06604 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 2C06605 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 2C06607 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 product tested. (1 page)

Jinhua Jech Tools Co., Ltd – Connectors, model JE512005



INSPEC Testing Services' specimen 2C06601

21 May 2015