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TEST REPORT:
EN 795:2012 Protection against falls from a height-
Anchor devices -Requirements and testing

Product: Anchor
Report No: 2021 (W) – 083T
Client: CCQS Certification Services Limited
Model (s): JE900A01
Date of sample receive: 2021.06.07
Date(s) of tests: 2021.06.09-2021.06.30

DESCRIPTION OF SAMPLES

General Information	Model	Description
	JE900A01 Type A	Orange all-mental anchor
Manufacturer	Jinhua Jech Tools Co., Ltd.	
Manufacturer Address	No. 1448 Tongxi Road, Linjiang Industrial Park, Wucheng District, Jinhua City, Zhejiang P. R. China	
Numbers of Samples	12 PCS	

Signed:

Issued: 2021.07.02

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The authenticity of this test report and its contents can be verified by contacting the laboratory.

This test report is the replacement and cancellation for test report No. 2021 (W) – 083

Test Results

4 Requirements

4.1 General

- | | | |
|-------|--|-------------------|
| 4.1.1 | When checked in accordance with 5.1.7, anchor devices shall be designed in such a way that they can be removed from the structure, without damaging the structure or the anchor device, thus allowing its reuse e.g. for periodic examination. | Pass |
| 4.1.2 | When checked in accordance with 5.1.7, U-bolt clamps shall not be used to form terminations in any part of an anchor device.
Note 1: No U-bolt clamps. | N/A ¹ |
| 4.1.3 | When checked in accordance with 5.1.7, it shall not be possible for elements with an anchor point to become detached unintentionally. If the element or mobile anchor point can be removed, it shall be designed such that it can only be detached after executing two separate, consecutive and deliberate manual actions.
Note 2: The elements or mobile anchor point cannot be removed. | Pass ² |
| 4.1.4 | When checked in accordance with 5.1.7, anchor devices shall be of such a design and size to allow connectors to rotate freely and sit in the anchor point in the preferred load-bearing position. | Pass |
| 4.1.5 | When checked in accordance with 5.1.7, for anchor devices comprising more than one element and for anchor devices with elements that can be adjusted, the design shall be such that those elements cannot appear to be positively locked together when incorrectly assembled or adjusted.
Note 3: Only one element. | N/A ³ |
| 4.1.6 | When checked in accordance with 5.1.7, the mass of any element of an anchor device that is intended to be transported by a single person shall not exceed 25 kg.
Note 4: 0.18 kg. | Pass ⁴ |
| 4.1.7 | If the anchor device is equipped with a fall indicator, the indicator shall clearly indicate a fall has occurred after the dynamic strength and integrity test(s).
Note 5: No fall indicator. | Pass ⁵ |
| 4.1.8 | When an anchor device consists of a combination of several types, it shall be tested for each relevant type and for the combination, e.g. a combination of type C and type E anchor devices.
Note 6: Only type A. | Pass ⁶ |
| 4.1.9 | Where the information provided by the manufacturer permits loading in more than one direction(e.g. in tension and in shear) (see 7 c)), anchor devices shall be tested in each safety critical direction.
Note 7: Three directions. | Pass ⁷ |

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4.2 Materials

4.2.1 Metal parts

4.2.1.1

After testing in accordance with 5.8, there shall be no corrosion of the base material. The presence of tarnishing and white scaling is acceptable. Metal parts of anchor devices shall show no evidence of corrosion that would affect their functional operation, e.g. the correct operation of moving elements. NOTE Conformity to this requirement does not imply suitability for use in a marine environment.

Pass

4.2.1.2

If steel wire ropes are galvanised, the galvanisation shall be in accordance with ISO 2232.

Note 8: No steel wire ropes.

N/A⁸

4.2.2 Rope and webbing

4.2.2.1

Fibre ropes, webbing and sewing threads shall be made from virgin filament or multi-filament synthetic fibres.

N/A⁹

4.2.2.2

Threads used for sewing shall be of a contrasting shade or colour when compared to the rope or webbing to facilitate visual inspection.

Note 9: No ropes and webbing.

4.2.3 Connectors

Connectors shall conform to EN 362.

Note 10: No connectors.

N/A¹⁰

4.3 Design and ergonomics

When checked in accordance with 5.1.7, anchor devices shall not have sharp edges or burrs that may cause injury to the user or that may cut, abrade or otherwise damage itself or any part of the personal fall protection equipment that may come into contact with it.

NOTE It is recommended that exposed edges or corners of elements are relieved either with a radius of at least 0.5 mm or a chamfer of at least 0.5 mm x 45°.

Pass

4.4 Specific requirements

4.4.1 Type A anchor devices

4.4.1.1

When tested in accordance with 5.3.2 (deformation test), no part of a type A anchor device which is intended to deform, e.g. to absorb energy, shall demonstrate permanent deformation of more than 10 mm in the direction of loading.

Pass

4.4.1.2

When tested in accordance with 5.3.3 (dynamic strength and integrity test), the anchor device shall not release the rigid test mass and the rigid test mass shall be held clear of the ground.

Pass**4.4.1.3**

When tested in accordance with 5.3.4 (static strength test), the anchor device shall hold the load.

Pass**6 Marking**

Marking of the anchor device shall conform to EN 365 and, in addition, shall include that the anchor device shall be for the use of one user only.

Pass**7 Information supplied by the manufacturer****Pass**

The information supplied by the manufacturer shall be provided in at least the language(s) of the country of destination. It shall conform to EN 365 and, in addition, shall include at least the following advice or information:

- that the anchor device is for the use of one person only;
- that when the anchor device is used as part of a fall arrest system, the user shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6 kN;
- the maximum loads(s) that could be transmitted in service from the anchor device to the structure and the directions of loading relevant to the type of fixing and structure;
- the maximum value of deflection of the anchor device and displacement of the anchor point that can occur in service;
- for anchor devices intended to deform during deployment, guidance on their suitability for use in different types of personal fall protection systems, e.g. rope access, rescue;
- for non-metallic elements or components of the anchor device, information on the materials from which they are made;
- that it is recommended the anchor device is marked with the date of the next or last inspection;
- documentation after installation and periodic examination
- that the anchor device should only be used for personal fall protection equipment and not for lifting equipment;
- for anchor devices that include a fall indicator, information on how to inspect the fall indicator.

End of Test Results

Annex A: Summarization of Test Data**TEST CONDITIONS:**

Test lanyard:	11 mm single mountaineering rope which conforms to EN 892.
The length of the each termination loop (mm):	200 mm
The length of the test lanyard, including the termination loops(mm):	2000 mm
Test mass(kg):	100/300

TABLE 4.2.1.1—NEUTRAL SALT SPRAY TEST RESULTS:

Test Specification: EN ISO 9227

Sample Information	Result	Assessment
Sample Number: 1#	No evidence of corrosion that could affect functional operation	Pass
Test Condition:	First Test Period Expose time: 24 h, Dry time: 60 min at 22°C	
	Second Test Period Expose time: 24 h, Dry time: 60 min at 22°C	

TABLE 4.4.1.1—DEFORMATION TEST RESULTS:

Sample Information/ Test Conditions	Result	Assessment
	Anchor type: A	
Sample Number: 2#	No Deformation	Pass
Test Condition:	Test load: 0.75 kN for 1.0 min	

TABLE 4.4.1.3 — STATIC STRENGTH TEST RESULTS:

Sample Information/ Test Conditions	Result	Assessment
	Anchor type: Type A	
Sample Number: 3#	Anchor device held the load	Pass
Test Condition:	Static load: 12 kN for 3 min	
No non-metallic materials. Vertical downward installation.		

TABLE 4.4.1.2 — DYNAMIC STRENGTH AND INTEGRITY TEST RESULTS:

Sample Information/ Test Conditions	Result	Assessment
	Anchor type: A	
Sample Number: 4#	Anchor device didn't release the rigid test mass and the rigid test mass was held clear of the ground. No deflection and displacement. Peak load: 10.82 kN	Pass
Test Condition:	Free fall distance: 1827 mm Horizontal distance: 240 mm Fall arrest load of the test lanyard: 9.2 kN	
Sample Number: 4#	The rigid test mass was held clear of the ground.	Pass
Test Condition:	Static load: 300 kg for 3.0 min	
Vertical downward installation.		

TABLE 4.4.1.3—STATIC STRENGTH TEST RESULTS:

Sample Information/ Test Conditions	Result	Assessment
Anchor type: Type A		
Sample Number: 5#	Anchor device held the load	Pass
Test Condition:	Static load: 12 kN for 3 min	
No non-metallic materials. Horizontal installation.		

TABLE 4.4.1.2—DYNAMIC STRENGTH AND INTEGRITY TEST RESULTS:

Sample Information/ Test Conditions	Result	Assessment
Anchor type: A		
Sample Number: 6#	Anchor device didn't release the rigid test mass and the rigid test mass was held clear of the ground. No deflection and displacement. Peak load: 11.74 kN	Pass
Test Condition:	Free fall distance: 1827 mm Horizontal distance: 240 mm Fall arrest load of the test lanyard: 9.2 kN	
Sample Number: 6#	The rigid test mass was held clear of the ground.	Pass
Test Condition:	Static load: 300 kg for 3.0 min	
Horizontal installation.		

TABLE 4.4.1.3 — STATIC STRENGTH TEST RESULTS:

Sample Information/ Test Conditions	Result	Assessment
Anchor type: Type A		
Sample Number: 7#	Anchor device held the load	Pass
Test Condition:	Static load: 12 kN for 3 min	
No non-metallic materials. Vertical side installation.		

TABLE 4.4.1.2 — DYNAMIC STRENGTH AND INTEGRITY TEST RESULTS:

Sample Information/ Test Conditions	Result	Assessment
Anchor type: A		
Sample Number: 8#	Anchor device didn't release the rigid test mass and the rigid test mass was held clear of the ground. No deflection and displacement. Peak load: 11.15 kN	Pass
Test Condition:	Free fall distance: 1834 mm Horizontal distance: 240 mm Fall arrest load of the test lanyard: 9.2 kN	
Sample Number: 8#	The rigid test mass was held clear of the ground	Pass
Test Condition:	Static load: 300 kg for 3.0 min	
Vertical side installation.		

Estimation of uncertainties

The following least uncertainties for the measurements reported have been taken into account when assessing compliance:

Deformation	± 1mm
Static strength	Visual inspection
Dynamic strength and integrity	Visual inspection
Corrosion resistance	Visual inspection after conditioning

End of Annex A

ANNEX B: PHOTOS OF SAMPLES



Anchor JE900A01

05/21 max1x

JECH[®]

MADE IN CHINA

JECH[®]

READ AND UNDERSTAND INSTRUCTION MANUAL BEFORE USING THE EQUIPMENT

Instructions for use and installation
of Anchor Point JE900A01JE900A01
EN 12002 Type A

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2. Overall dimensions of anchor point JE900A01

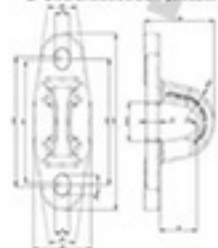


Figure 2 Overall dimensions JE900A01

3. Time of usage

Warning: the if usage of correctly operating device is advised.

End of Annex B