



Centre d'Essais et de certification de
Fontaine
17, Boulevard Paul Langevin
38600 FONTAINE - France
Tél. +33.(0)4.76.53.52.22

Jinhua Jech Tools Co., Ltd
No.1448 Tongxi Road, Linjiang Industrial Park,
Wucheng District,
JINHUA CITY,
Zhejiang Province
P.R China

PPE REGULATION 2016/425 – ANNEX V
MODULE B – EU TYPE EXAMINATION
ASSESSMENT REPORT

P.P.E. against falls from a height

Report n°	25.0271
Technical reference	EN 362:2004
Type of device	PPE category III Connectors
Class	Anchor connector (class A)
Trade marks	JECH or J
Model	530016

Fontaine, the 14/04/2025

Report sent for the attention of Jayson Shen to the email address sales02@jechchina.com

This report includes 17 pages

The technical assessment manager
Immaterial original


RASCLOUX Yéboine
Validation électronique

M.MEPI.324.V1

Examination report

Article of the standard EN 362	Content	Conformity			Remarks
		Yes	No	N-A	
Art. 3	Terms and definitions For the purposes of this European Standard, the definitions given in EN 363 and the following apply:				
Art. 3.1	Connector Openable device used to connect components, which enables the user to assemble a system in order to link himself/herself directly or indirectly to an anchor	✓			
Art. 3.2	Self-closing connector Connector with a self-closing gate	✓			
Art. 3.3	Basic connector (class B) Self-closing connector intended to be used as a component			✓	
Art. 3.4	Multi-use connector (class M) Basic or screw link connector intended to be used as a component, which may be loaded in the major and minor axis			✓	
Art. 3.5	Termination connector (class T) Self-closing connector designed to allow the fixing as an element of a sub-system in such a way that the loading is in a predetermined direction.			✓	
Art. 3.6	Anchor connector (class A) Connector which closes automatically, designed to be linked directly to a specific type of anchor as a component <i>NOTE Types of anchors are e.g. an eye-bolt, a pipe or a beam</i>	✓			
Art. 3.7	Screwlink connector (class Q) Connector which is closed by a screw-motion gate, which is load bearing part of the connector when fully screwed up, intended to be used only for long-term or permanent connections.			✓	

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		Yes	No	N-A	
Art. 3.8	Gate Part of the connector which can be moved to open it <i>NOTE The gate can, for example, move by pivoting about a hinge (hinged gate), or by a sliding motion (sliding gate) or by a screw motion (screw-motion gate).</i>	✓			
Art. 3.9	Self-closing gate Gate which moves automatically to the closed position when released from any open position	✓			
Art. 3.10	Self-locking gate Self-closing gate with an automatic gate-locking feature	✓			
Art. 3.11	Manual-locking gate Self-closing gate with a manually operated gate-locking feature			✓	
Art. 3.12	Gate-locking feature Mechanism which, when in position, prevents the closed gate being opened inadvertently. A gate-locking feature may operate automatically (to the locked position) or be operated manually			✓	
Art. 3.13	Gate opening Maximum gap for the passage of an element or a component into the connector and which allows the correct functioning of the gate-locking feature	✓			
Art. 4	Requirements				
Art. 4.1	General				
Art. 4.1.1	Connectors shall not have sharp edges or burrs that may cause injury to the user, or that may cut, abrade or otherwise damage webbing or rope.	✓			
Art. 4.1.2	Materials, which may come into contact with the skin of a user, shall not be known to cause irritating and sensitisation effects during normal use of the connector.	✓			
Art. 4.1.3	Connector with a gate shall have a gate-locking feature, either automatic or manual.	✓			
Art. 4.1.4	Connectors with a self-locking gate shall lock the gate automatically when the gate shuts, and shall require at least two different deliberate manual actions to open the gate.	✓			
Art. 4.1.5	Connectors with a manual-locking gate, except screwlink connectors, shall require a deliberate manual action to lock the gate, and shall require at least two different deliberate manual actions to open the gate.			✓	
Art. 4.1.6	Screwlink connectors shall require at least four complete rotations of the screw-motion gate from the full screwed up position to disengagement of the threads. Threads shall not be visible when the gate is locked;			✓	
Art. 4.1.7	The gate opening shall be determined as described in 5.1.2 and verified that it is not less than that given by the manufacturer.	✓			Date of test: 21/03/2025 Op. = 60mm

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		Yes	No	N-A	
Art. 4.2	Static strength When tested in accordance with 5.2, connectors shall withstand the load specified below for a period of 3min $\pm$ 3s. At the end of the test, the gate shall still be closed. Minimum static strength requirements for connectors: Basic connector (class B) : Major axis – Gate closed and unlocked: 15 kN or F_1 Major axis – Gate closed and locked : 20 kN or F_2 Minor axis – Gate closed : 7 kN or F_3 F_1, F_2, F_3 specified values of the manufacturer Multi-use connector (class M) : Major axis – Gate closed and unlocked: 15 kN or F_1 Major axis – Gate closed and locked : 20 kN or F_2 Minor axis – Gate closed : 15 kN or F_3 F_1, F_2, F_3 specified values of the manufacturer Termination connector (class T) : Major axis – Gate closed and unlocked: 15 kN or F_1 Major axis – Gate closed and locked : 20 kN or F_2 Minor axis – Gate closed : Not applicable F_1, F_2, F_3 specified values of the manufacturer Anchor connector (class A) : Major axis – Gate closed and unlocked: 15 kN or F_1 Major axis – Gate closed and locked : 20 kN or $F_2=25\text{kN}$ Minor axis – Gate closed : Not applicable F_1, F_2, F_3 specified values of the manufacturer Screwlink connector (class Q) : Major axis – Gate closed and unlocked: Not applicable Major axis – Gate closed and locked : 25 kN or F_2 Minor axis – Gate closed : 10 kN or F_3 F_1, F_2, F_3 specified values of the manufacturer	✓ ✓		✓ ✓ ✓ ✓ ✓	Date of tests : 21/03/2025 $F_{\text{applied}} = 15\text{kN}$ $F_{2\text{applied}} = 25\text{kN}$

* The measurement uncertainties are not taken into account for the assessment of conformity.

Article of the standard EN 362	Content	Conformity*			Remarks
		Yes	No	N-A	
Art. 4.3	Gate function When tested in accordance with 5.3, with the gate closed and locked, connectors with the exception of anchor connectors (class A) shall still open after being loaded to 6 kN.			✓	Date of tests: 27/03/2025 S=0mm Dates of test: From 07/04/2025 To 09/04/2025
Art. 4.4	Gate resistance (not for class Q-connectors)				
Art. 4.4.1	Gate face After testing with a force of (1 ± 0.02) kN in accordance with 5.4.1, the gate-locking feature of connectors shall still function correctly. When the gate locking feature does not encircle the connector body, the gate-locking feature shall withstand a force of (1 ± 0.02) kN without separating from the latch by more than 1 mm.	✓			
		✓			
Art. 4.4.2	Gate side When tested in accordance with 5.4.2, connectors with a gate locking feature that does not encircle the connector body, shall withstand a force of $(1,5 \pm 0,03)$ kN without any partial fracture. After this test the gate-locking feature shall still function correctly.	✓			
Art. 4.5	Corrosion resistance When tested in accordance with 5.5, connector gates shall still function in accordance with 4.1.4. Evidence of corrosion of the base metal is not acceptable. The presence of tarnishing and white scaling is acceptable. <i>NOTE Conformity to this requirement does not imply suitability for use in a marine environment.</i>	✓			
Art. 4.6	Marking and information				
Art. 4.6.1	Marking of connectors shall be in accordance with clause 6.	✓			
Art. 4.6.2	Information shall be supplied with connectors in accordance with clause 7.	✓			

* The measurement uncertainties are not taken into account for the assessment of conformity.

Article of the standard EN 362	Content	Conformity			Remarks
		Yes	No	N-A	
Art. 6	Marking Marking on the connector shall conform to EN 365 et any text shall be in the languages of the country of destination.				
Art 4.8.1 EN 365:2004	Article 4.8 Marking of EN 365:2004 4.8.1 Each item of PPE or other equipment shall be clearly, indelibly and permanently marked by the manufacturer in the official language of the country of destination, by any suitable method not having a harmful effect on the materials so marked, and shall include at least: a/ a means of identification, e.g. manufacturer's name, supplier's name, or trademark; <i>Note 1: When PPE is marked with the supplier's name this should be with the approval of the Notified body.</i> b/ manufacturer's production batch or serial number or other means of traceability; c/ model and type/identification; d/ number and year of the European Standard to which the equipment conforms; e/ pictogram or other method to indicate the necessity for users to read the instruction for use; <i>Note 2: Any additional relevant marking specific to the item of the equipment should also be included</i>	✓			
Art 4.8.2 EN 365:2004	4.8.2 The characters in the markings shall be legible and unambiguous.	✓			
Regulation	In addition to conforming to EN 365, the marking shall include the following:				
	a) The model/type identification mark of the connector;	✓			
	b) The number of this European Standard, and the letter of the class, e.g. EN362/A	✓			
	c) If the minimum strength claimed by the manufacturer for the major axis is marked on the connector, the marking shall be for the closed and locked position. The marked strengths shall be in a whole number of kN	✓			
	CE Marking (CE + Notified body in charge of module C2 or D) The CE marking shall be affixed visibly, legibly and indelibly to the PPE. For PPE subject to ageing: the month and year of manufacture and/or, if possible, the month and year of obsolescence must be indelibly and unambiguously marked on each item of PPE placed on the market and on its packaging	✓ ✓			
	Name and address of the manufacturer Type, batch or serial number or other means of identification	✓ ✓		✓	On the instructions for use

Article of the standard EN 362	Content	Conformity			Remarks
		Yes	No	N-A	
Art. 7	<i>Concerning the instruction for use: Only the English version has been checked. It is the responsibility of the manufacturer to supply the instruction for use in the official languages of the country of destination</i> Information supplied by the manufacturer If a connector is a component, it shall be provided with information supplied by the manufacturer. A manufacturer who incorporates a connector into another component, e.g. a lanyard, an energy absorber or a fall arrester shall adapt the information supplied by the manufacturer of the connector; The information supplied by the manufacturer shall be provided in at least the language(s) of the country of destination. It shall conform EN 365:2004:				
	Article 4.1 General of EN 365:2004 The manufacturer shall prepare instructions for use, for maintenance and for periodic examination for each item of PPE or other equipment, in the official languages of the country of destination. <i>Note : The instructions for use, for maintenance and for periodic examination may be supplied in separate documents</i> Article 4.2 Instructions for use of EN 365:2004 The instructions for use shall be in written format, shall be clear, legible and unambiguous, and shall contain appropriate detail, supplemented by diagrams if necessary, to enable the PPE or other equipment to be used correctly and safely . The instructions for use shall include: a/ the name and contact details of the manufacturer or authorised representative as appropriate; b/ statements describing the equipment, its intended purpose, application and limitations; c/ a warning about medical conditions that could affect the safety of the equipment user in normal and emergency use; d/ a warning that the equipment shall only be used by a person trained and competent in its safe use; e/ a warning that a rescue plan shall be in place to deal with any emergencies that could arise during the work; f/ a warning against making any alterations or additions to the equipment without the manufacturer's prior written consent, and that any repair shall only be carried out in accordance with manufacturer's procedures;	✓			
Art 4.2.1 EN 365:2004					
Art 4.2.2 EN 365:2004					

Article of the standard EN 362	Content	Conformity			Remarks
		Yes	No	N-A	
Art. 7 Art 4.2.2 EN 365:2004	Information supplied by the manufacturer (continuation) g/ a warning that the equipment shall not be used outside its limitations, or for any purpose other than that for which it is intended; h/ advice as to whether the equipment should be a personal issue item; i/ sufficient information to ensure the compatibility of items of equipment when assembled into a system; j/ a warning of any dangers that may arise be the use of combinations of items of equipment in which the safe function of any one item is affected by or interferes with the safe function or another; k/ an instruction for the user to carry out a pre-use check of the equipment, to ensure that it is in a serviceable condition and operates correctly before it is used; <i>Note : a pre-use check by the user may not be applicable in case of certain parts of equipment for emergency use which have been pre-packed or sealed by a competent person.</i> l/ the features of the equipment that require the pre-use check, the method of checking, and the criteria against which the user can decide whether or not the equipment is defective; m/ a warning stating that it is essential for safety that equipment is withdraw from use immediately should: 1/ any doubt arise about its condition for safe use or; 2/ it have been used to arrest a fall and not used again until confirmed in writing by a competent person that it is acceptable to do so; n/ the requirements of the anchor device or structural member chosen to serve as the anchor point(s), in particular the minimum required strength, the suitability and the position; o/ where relevant, instructions on how to connect to the anchor device or structure; p/ where relevant, and instruction detailing the correct harness attachment point to use, and how to connect to it; q/ a warning to emphasise that for all arrest systems, it is essential for safety that the anchor device or anchor point should always be positioned, and the work carried out in such way, as to minimise both the potential for falls and potential fall distance. Where it is essential that the anchor device/point is place above the position of the user, the manufacturer shall make a statement to that effect; r/ where relevant, and instruction that a full body harness is the only acceptable body holding device that can be used in a fall arrest system; s/ a warning to emphasise that in a fall arrest system it is essential for safety to verify the free space required beneath the user at the workplace before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or the other obstacle in the fall path; t/ information on the hazards that may affect the performance of the equipment and corresponding safety precautions that have to be observed e.g: extremes of temperature, trailing or looping of lanyards or lifelines over sharp edges, chemical reagents, electrical conductivity, cutting, abrasion, climatic exposure, pendulum falls;	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓			

Article of the standard EN 362	Content	Conformity			Remarks
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Art. 7 Art 4.2.2 EN 365:2004	Information supplied by the manufacturer (continuation) u/ instructions as relevant on how to protect the equipment against damage during transportation; v/ information on the meaning of any markings and/or symbols on the equipment; w/ a statement describing the equipment model, type, identification marks and if appropriate the European Standard and year to which it conforms; x/ where it is a requirement that a EC type examination be carried out by a Notified body, the name, address and identification number of the Notified Body; y/ a statement of any known limit to the safe useable life of the product or any part of the product and/or advice on how to determine when the product is no longer safe to use; z/ warning that it is essential for the safety of the user that if the product is re-sold outside the original country of destination the reseller shall provide instructions for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used; <i>Note 2: any additional relevant information specific to the item of equipment should also be provided;</i>	✓			
Art 4.3.1 EN 365:2004	Article 4.3 Instructions for maintenance The maintenance instructions shall be clear, legible and unambiguous and shall contain appropriate detail, supplemented by diagrams if necessary, to enable the PPE or other equipment to be maintained correctly and safely.	✓			
Art 4.3.2 EN 365:2004	The maintenance instructions shall include: a/ cleaning procedures, including disinfection where applicable, without causing adverse effect on the materials used in the manufacture of the equipment, or to the user, and a warning that the procedure is to be strictly adhered to; b/ where appropriate, a warning that when the equipment becomes wet, either from being in use or when due to cleaning, it shall be allowed to dry naturally, and shall be kept away from direct heat; c/ storage procedures, including all necessary preventative requirements where environmental or other factors could affect the condition of components, e.g. damp environment, sharp edges, vibration, ultra-violet degradation; d/ other maintenance procedures as relevant to the equipment, e.g. lubrication.	✓			
EN 365:2004	Article 4.4 Instructions for periodic examinations (see 4.7) Instructions for periodic examination shall include: a/ warning to emphasize the need for regular periodic examinations, and that the safety of users depends upon the continued efficiency and durability of the equipment; b/ recommendation in regard to the frequency of periodic examinations, taking account of such factors as legislation, equipment type, frequency of use, and environmental conditions, but shall include a statement to the effect that the periodic examination frequency shall be at least every 12 months; c/ warning to emphasize that periodic examinations are only to be conducted by a competent person for periodic examination and strictly in accordance with the manufacturer's periodic examination procedures;	✓		✓	

Article of the standard EN 362	Content	Conformity			Remarks
		Yes	No	N-A	
Art. 7 Art 4.4 EN 365:2004 EN 365:2004 EN 365:2004 EN 365:2004	Information supplied by the manufacturer (continuation) d/ where deemed necessary by the manufacturer, e.g. due to the complexity or innovation of the equipment, or where safety critical knowledge is needed in the dismantling, reassembly, or assessment of the equipment (e.g. a retractable type fall arrester), an instruction specifying that periodic examinations shall only be conducted by the manufacturer or by a person or organisation authorised by the manufacturer; e/ requirement to check the legibility of the product markings Article 4.5 Instructions for repair Where the manufacturer permits repair, repair instructions shall be supplied in the official languages of the country in which the item is in service. These instructions shall include a statement to the effect that any repair shall only be conducted by a competent person for repair, who has been authorised by the manufacturer, and that the repair procedure shall be strictly in accordance with the manufacturer's instructions. Article 4.6 Records Advice shall be given that a record is kept for each component, subsystem and system. The record should contain headings for and spaces to allow entry of the following details: a/ the product (e.g. full body harness), model and type/identification and its trade name; b/ the name and contact details, of the manufacturer or supplier; c/ a means of identification, which could be the batch or serial number; d/ where applicable, the year of manufacture or life expiry date, refer 4.2.2 (y); e/ the date of purchase; f/ any other information as necessary e.g. maintenances and frequency of use; g/ the date first put into use; h/ the history of periodic examinations and repairs, to include: 1/ dates and details of each periodic examination and repair, and the name and signature of the competent person who carried out the periodic examination or repair; 2/ next due date for periodic examination. <i>Note: It is the responsibility of the user organisation to provide the record and to enter onto the record the details required.</i> Article 4.7 Periodic examination Manufacturer shall provide all the necessary information and equipment e.g. instructions, checklists, spare parts lists and special tools etc, to enable periodic examinations to be carried out by a competent person. <i>Note: Manufacturers may provide training for persons to become competent or for updating competency in the periodic examination of PPE or other equipment, or make arrangements for authorised organisations or persons to be made available.</i>	✓			
		✓			
				✓	
		✓			
		✓			
		✓			
		✓			
		✓			
		✓			
EN 365:2004		✓			

Article of the standard EN 362	Content	Conformity			Remarks
		Yes	No	N-A	
	In addition the information supplied by the manufacturer shall include at least advice or information as follows:				
	a) The specific conditions under which the connector may be used;	✓			
	b) For connectors with a self-closing and manual-locking gate, a recommendation that they should only be used where the user does not have to attach and remove the connector frequently, i.e many times during a working day;	✓			
	c) That care should be taken to avoid loading a connector across its gate;	✓			
	d) For screwlink connectors (class Q), a statement that they should only be used where connections are infrequent;			✓	
	e) For screwlink connectors (class Q), a warning that they are only safe for use when the screw-motion gate is fully closed and information how the user can check it;			✓	
	f) The materials from which the connector is made;	✓			
	g) The number of this European Standard and the letter of the class, e.g. EN362:2004/A	✓			
	h) The gate opening "a" in mm;	✓			
	i) Advice that the length of the connector should be taken into account when used in any fall arrest system, as it will influence the length of a fall;	✓			
	j) A warning for situation which may reduce the strength of the connector, e.g. connecting to wide straps.	✓			
Regulation	Name and address of the manufacturer;	✓			
	Name, address and identification number of the notified body or bodies involved in the conformity assessment of the PPE (module B and module C2 or D) ;	✓			
	EU declaration of conformity or the internet address where the EU declaration of conformity can be accessed ;	✓			
	The risk against which the PPE is designed to protect ;	✓			
	The reference to this Regulation	✓			
	The references to the relevant harmonised standard(s) used, including ;	✓			
	The date of the standard(s), or references to the other technical specifications used ;	✓			