



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°	24.1092
Technical references	EN 361:2002, EN 358:2018, EN 813:2024
Types of device	PPE category III Full body harnesses, belts for work positioning and sit harnesses
Trade mark	JECH
Model	100062

Fontaine, the 23/05/2025

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

This report includes 27 pages

The technical assessment manager
Immaterial original


RASCLOFONIAINA Yelanie

Validation électronique

M.MEPI.324.V1

Article of the standard EN 361	Content	Conformity*			Comments
		Yes	No	N-A	
Art. 4.2	Materials and construction				
	Webbing and sewing threads of a full body harness shall be made from virgin filament or multifilament synthetic fibres suitable for their intended use.	✓			
	The breaking tenacity of the synthetic fibre shall be known to be at least 0.6 N/Tex.	✓			
	Threads used for sewing shall be physically compatible with the webbing, and the quality shall be compatible to that of the webbing. They shall, however, be of a contrasting shade or colour in order to facilitate visual inspection.	✓			
	A full body harness shall comprise straps or similar elements, which are placed in the pelvic area and on the shoulders. The full body harness shall fit the wearer. Means of adjustment may be provided.	✓			
	Straps shall not migrate from position and shall not loosen by themselves.	✓			
	The width of primary straps shall be at least 40 mm and of secondary straps at least 20 mm.	✓			
	It shall be visually confirmed during the static strength test specified in 5.1 that those straps which support the torso dummy or exert pressure are primary straps.	✓			
	The fall arrest attachment element(s) may be placed so as to lie, during the use of the full body harness above the centre of gravity, in front of the chest and/or at the back and/or at both shoulders of the wearer.	✓			
	The full body harness may be incorporated within a garment.			✓	
	It shall be possible to carry out a visual inspection of the whole full body harness, even if the full body harness is incorporated within a garment. All securing buckles (i.e. buckles other than those used primarily for adjustment of fit) shall be designed in such a way that they can only be assembled in a correct manner or, if they are capable of being assembled in more than one way, that each method of assembly shall conform to the strength and performance requirements.	✓			
	Metallic fittings shall conform to the corrosion protection requirements specified in 4.5 of EN 362:2004.	✓			Dates of test : From 11/03/2025 To 13/03/2025

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

Article of the standard EN 361	Content	Conformity*			Comments
		Yes	No	N-A	
Art 4.3	Static strength When tested at each attachment elements as described in 5.1.4.2 of EN 364:1992 with a force of 15 kN and as described in 5.1.4.3 of EN 364:1992 with a force of 10 kN, the full body harness shall not release the torso dummy. <u>Back fall arrest point by metallic double bar D-ring:</u> - 15kN - 10kN <u>Central front fall arrest point by metallic double bar D-ring:</u> - 15kN - 10kN	✓ ✓			Date of tests : 07/03/2025
Art 4.4	Dynamic performance When tested at each fall arrest attachment element as described in 5.2 with a torso dummy of 100 kg mass, the full body harness shall withstand two successive drop tests with an adjusted free fall distance of 4 m (on drop test with the torso dummy feet first and one drop test with the torso dummy head first) without releasing the torso dummy. After each drop test the torso dummy shall be arrested in a head-up position and the angle between the longitudinal axis of the dorsal plane of the torso dummy and the vertical shall be a maximum of 50°.				Date of tests : 07/03/2025
OUT OF EN	<u>Back fall arrest point by metallic double bar D-ring:</u> - 1st drop – feet first - 2nd drop – head first	✓ ✓			$\alpha = 36.2^\circ$ $\alpha' = 33.2^\circ$ Date of tests : 18/12/2024 $\alpha = 34.8^\circ$ $\alpha' = 37.8^\circ$ Date of tests : 02/01/2025
	<u>Central front fall arrest point by metallic double bar D-ring:</u> - 1st drop – feet first - 2nd drop – head first	✓ ✓			
	<u>Back fall arrest point by metallic double bar D-ring with a mass of 140kg:</u> - 1st drop – feet first - 2nd drop – head first	✓ ✓			$\alpha = 31.1^\circ$ $\alpha' = 35.1^\circ$
	<u>Central front fall arrest point by metallic double bar D-ring with a mass of 140kg:</u> - 1st drop – feet first - 2nd drop – head first	✓ ✓			$\alpha' = 26.9^\circ$ $\alpha' = 29.1^\circ$ EN 358/813
Art 4.5	Additional elements If a full body harness is additionally equipped with elements for the use of the full body harness in a work positioning or restraint system, these elements shall conform to EN 358 and/or EN 813.	✓			
Art 4.6	Marking and information Full body harness shall be marked according to article 6. Information shall be provided with full body harness according to article 7.	✓			

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

Article of the standard EN 361	Content	Conformity*			Comments
		Yes	No	N-A	
PPE-R/11.127_V2	Tests according to European coordination sheet PPE-R/11.127 V2 Ergonomics requirements: When tested in accordance with §2, the full body harness shall be shown to: a) be capable of adjustment to enable correct positioning on the user; b) be able to support the user in an upright position while in suspension; c) consist of metal fittings with no contact with the groin, the inside of the thighs, the armpits or the small of the back; d) shall not migrate from original position e) remain correctly adjusted.	✓ ✓ ✓ ✓ ✓			Date of tests : 19/12/2024
PPE-R/11.131_V2	Tests according to European coordination sheet PPE-R/11.131 V2 Test of fastening and adjustment elements according to EN 358:2018, clauses 4.1.2.1 to 4.1.2.3 and clauses 5.2.2 to 5.2.5.	✓			Date of tests : 04/04/2025

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

Article of the standard EN 361	Content	Conformity			Comments
		Yes	No	N-A	
Art. 6	Marking Marking on the full body harness shall conform to 4.8 of EN 365:2004 and shall be provided in the languages of the country of destination.				
	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/ 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 instructions for use. <i>Note 2: Any additional relevant marking specific to the item of equipment should also be included</i>	✓			
	4.8.2 The characters in the markings shall be legible and unambiguous	✓			
	In addition to conforming to 4.8 of EN 365:2004 the marking shall include the following:				
Regulation	a) On the full body harness, a pictogram to indicate that users shall read the information supplied by the manufacturer;	✓			
	b) A capital letter « A » at each fall arrest attachment element;	✓			
	c) The model/type identification mark of the full body harness;	✓			
	d) The number of this European Standard, i.e. EN 361.	✓			
	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	✓			

Article of the standard EN 361	Content	Conformity			Comments
		Yes	No	N-A	
Art. 7	Information supplied by the manufacturer 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. The information supplied by the manufacturer shall be provided in the languages of the country of destination. It shall conform to 4.2 of 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 4.2.1 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 . 4.2.2 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; 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, where this is applicable; 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 the case of certain parts of equipment for emergency use which have been pre-packed or sealed by a competent person.</i>	✓			

Article of the standard EN 361	Content	Conformity			Comments
		Yes	No	N-A	
	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 withdrawn 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 placed 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; 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 an EC type examination be carried out by a Notified Body, the name, address and identification number of the Notified Body involved with the design stage and of the Notified Body involved in the production control phase; 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>	✓			
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Article of the standard EN 361	Content	Conformity			Comments
		Yes	No	N-A	
	Article 4.3 Instructions for maintenance of EN 365:2004 4.3.1 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. 4.3.2 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. Article 4.4 Instructions for periodic examinations of EN 365:2004 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; 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 of EN 365:2004 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.	✓			
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				✓	

Article of the standard EN 361	Content	Conformity			Comments
		Yes	No	N-A	
	Article 4.6 Records of EN 365:2004 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 of 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 of EN 365:2004 Manufacturers shall provide all the necessary information and equipment e.g. instructions, checklists, spare parts lists and specials 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>	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓			

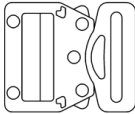
Article of the standard EN 361	Content	Conformity			Comments
		Yes	No	N-A	
	And in addition, the information supplied by the manufacturer shall include at least advice or information as follows:				
	a) The correct way to put on the full body harness;	✓			
	b) The specific conditions under which the full body harness may be used;	✓			
	c) The characteristics required for a reliable anchor point;	✓			
	d) On how to connect to a reliable anchor point, to a connecting sub-system, e.g. an energy absorber, lanyard and connector, and to other components of a fall arrest system;	✓			
	e) Which attachment elements of the full body harness shall be used in a fall arrest or in a work positioning system;	✓			
	f) On how to ensure the compatibility of any components to be used in conjunction with the full body harness, e.g. by reference to other European Standards;	✓			
	g) That consideration should be given to the necessary minimum clearance below the feet of the user in order to avoid collision with the structure or ground in a fall from a height and that specific advice will be given with the sub-system, e.g. energy absorber of fall arrester;	✓			
	h) The materials from which full body harness is made;	✓			
	i) On limitations of the materials in the product or hazards which may affect its performance, e.g. temperature, the effect of sharp edges, chemical reagents, electrical conductivity, cutting, abrasion, UV degradation, other climatic conditions;	✓			
	j) That before and during use, consideration should be given as to how any rescue could be safely and efficiently carried out;	✓			
	k) That the product should only be used by a trained and/or otherwise competent person or the user should be under de direct supervision of such a person;	✓			
	l) On how to clean the product, including disinfections, without adverse effect;	✓			
	m) If information exists, the expected lifespan of the product (obsolescence) or how this may be determined;	✓			
	n) On how to protect the product during transportation;	✓			
	o) The model/type identification mark of the full body harness;	✓			
	p) On the meaning of any markings on the product;	✓			
	q) The number of this European Standard, i.e. EN 361	✓			
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 ;	✓			

Article of the standard EN 361	Content	Conformity			Comments
		Yes	No	N-A	
Art. 8	Packaging Full body harnesses shall be supplied wrapped, but not necessarily sealed, in material which provides some resistance against the penetration of moisture	✓			
	Article 4.9 Packaging of EN 365:2004 Manufacturers shall take all reasonable care to ensure that the equipment is sufficiently packaged to prevent damage and deterioration during transportation. <i>Note: Where severe environmental conditions exist, or special conditions of supply are detailed, e.g. for long term storage, or transportation requirements, arrangements should be specified by the purchaser and agreed by the manufacturer.</i>	✓			
	PPE-R/11.132_V1 <u>According to European coordination sheet PPE-R/11.132 V1</u> Yes, but instructions for use shall require only to use energy absorbing elements compatible with this maximum rated load	✓			

9.2.Conformity to the standard EN 358

Article of the standard EN 358	Content	Conformity*			Comments
		Yes	No	N-A	
Art. 4	Requirements				
Art 4.1	Design, construction and ergonomics				
Art 4.1.1	Waist belts				
Art 4.1.1.1	Waist belts shall be capable of adjustment to fit the wearer within the size range specified by the manufacturer, when checked in accordance with 5.1.2.	✓			
Art 4.1.1.2	Waist belts shall have at least one attachment element intended for the connection of load bearing components, e.g. a lanyard, when checked in accordance with 5.1.2. If the waist belt is equipped with two attachment elements for work positioning, one shall be in the right and one shall be in the left front quarter of the waist belt when fitted correctly	✓			
Art 4.1.1.3	All parts of the waist belt shall be free from sharp edges and burrs that could cause injury, when checked in accordance with 5.1.2.	✓			
Art 4.1.1.4	Work positioning belts shall have a back support. When checked in accordance with 5.1.3 the minimum length of the back support shall be 50 mm longer than half the circumference of the work positioning belt when adjusted to the maximum radial length (waist size) specified by the manufacturer. The back support shall have a minimum width of 100 mm and shall cover a minimum overall surface area of 200 cm ² symmetrically arranged on the spine of the user and shall have a minimum width of 60 mm elsewhere	✓			
Art 4.1.1.5	Restraint belts shall be not less than 43 mm wide, when checked in accordance with 5.1.4.			✓	
Art 4.1.2	Fastening and adjustment element of the waist belt				
Art 4.1.2.1	When checked in accordance with 5.2.2, fastening elements shall be so designed and constructed that, when fastened in accordance with the manufacturer's information, they can be released only by at least two different deliberate manual actions	✓			
Art 4.1.2.2	When checked in accordance with 5.2.3, fastening elements shall be so designed and constructed that, when fastened in accordance with the manufacturer's information, they cannot unintentionally open.	✓			

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

Article of the standard EN 358	Content	Conformity*			Comments
		Yes	No	N-A	
Art 4.1.2	Fastening and adjustment element of the waist belt (continuation)				
Art 4.1.2.3	If fastening elements are so designed and constructed that they can be opened by pushing two buttons, e.g. see Figure 1, when fastened in accordance with the manufacturer's information, the buttons have to go back in their original position when checked in accordance with 5.2.4. The fastening element shall not release when checked in accordance with 5.2.5.  Figure 1 — Example for design of fastening elements with buttons Automatic metallic buckles reference 2040300103 present on the leg loops and on the chest	✓			
Art 4.1.2.4	When tested in accordance with 5.6.2, the movement and slippage of the webbing through the adjustment elements of waist belts shall be not more than 20 mm. If the instructions supplied by the manufacturer describe that adjustment elements can be adjusted in more than one manner, each manner of adjustment shall be tested. Tested on the left lateral point by metallic double bar D-ring, validates the right by symmetry	✓			Date of test: 07/03/2025 S = 2mm
Art 4.1.3	Work positioning and restraint lanyards			✓	
Art 4.1.4	Length adjustment device			✓	
Art 4.2	Materials				
Art 4.2.1	When checked in accordance with 5.5, materials used in waist belts and lanyards that may come into contact with the skin of a user shall not be known to cause irritating or sensitization effects when used as intended	✓			
Art 4.2.2	When checked in accordance with 5.5, fibre ropes, webbing and yarns shall be made from virgin filament or multifilament synthetic fibres suitable for their intended use. The breaking tenacity of the synthetic fibres shall be known to be at least 0,6 N/tex.	✓			
Art 4.2.3	When checked in accordance with 5.5, the shade of the thread used for sewing shall be such as to contrast with the shade of the webbing or the rope to facilitate visual inspection.	✓			
Art 4.2.4	When checked in accordance with 5.5, and when wire is used in the construction of ropes for lanyards, it shall be made from steel. The ferrules of terminations shall be made from ductile metallic material. Wire used for ropes that are not made from stainless steel shall be galvanized in accordance with ISO 2232.			✓	
Art 4.2.5	When checked in accordance with 5.5, chains shall be made from steel. Chains that are not made from stainless steel shall be galvanized. Egg-shaped or similar end links and all connecting links shall be compatible with the chain.			✓	

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

Article of the standard EN 358	Content	Conformity*			Comments
		Yes	No	N-A	
Art 4.3	Connectors Connectors incorporated in lanyards shall meet the requirements of EN 362:2004, 4.1 to 4.5.			✓	Date of tests: 07/03/2025
Art 4.4	Static strength				
Art 4.4.1	When tested in accordance with 5.6.2, a waist belt shall sustain a force of 15 kN without releasing the cylinder. - Tested on the left lateral point by metallic double bar D-ring, validates the right by symmetry	✓			
Art 4.5	Dynamic strength				See page 8
Art 4.5.1	When tested in accordance with 5.7.2 the torso dummy shall be held clear of the ground by the waist belt during the first impact <i>Note: It is acceptable, if the torso dummy slips out of the waist belt after rebound.</i> - Tested on the left lateral point by metallic double bar D-ring, validates the right by symmetry	✓			
Art 4.6	Corrosion resistance Waist belts and lanyards for work positioning and restraint with metallic elements shall be tested in accordance with 5.8. All metallic elements shall not show evidence of corrosion of the base metal which could affect its function. The presence of tarnishing and white scaling is acceptable. <i>Note 1: Care should be taken by the manufacturer not to combine different metals in such a way that there could be adverse galvanic reaction.</i> <i>Note 2: Conformity to this requirement does not imply suitability for use in a marine environment.</i>	✓			

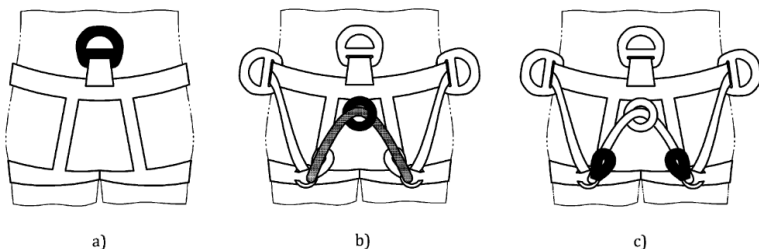
* The measurement uncertainties are not taken into account for the assessment of conformity.

Article of the standard EN 358	Content	Conformity			Comments
		Yes	No	N-A	
Art. 6	Marking Marking on the waist belt and lanyard for work positioning or restraint shall conform to EN 365 and, in addition, shall include at least the following: <u>on the lanyard:</u> a) the maximum rated load in kilograms; b) the maximum lanyard length; <i>Note: For integrated restraint lanyards with a fixed length give the lanyard length</i> <u>on the waist belt:</u> c) the size range in cm; <u>on a waist belt which is only for restraint:</u> d) the letter "R".			✓ ✓ ✓	See page 11
Art. 7	Information supplied by the manufacturer The information supplied by the manufacturer shall conform to EN 365 and shall in addition contain the following information and advice: a) for the waist belt the size range in cm, the correct way to put on and instructions on how to obtain the optimum fit; b) for the waist belt the essential need to regularly check fastening and adjustment elements during use; c) that the waist belt is approved for a user, including tools and equipment, with a weight of up to 150 kg; d) for the waist belt identification of attachment elements, the correct method of connecting to them, and a clear and unambiguous statement which states the purpose of each attachment element; e) a warning that the equipment is not suitable for fall arrest purposes and that a waist belt should not be used if there is a foreseeable risk of the user becoming suspended or being exposed to unintended tension by the waist belt; f) that when using a work positioning system, the user normally relies on the equipment for support, therefore it is essential to consider the need of using a back-up, e.g. a fall arrest system; g) an instruction on how to position and/or adjust the work positioning lanyard so that the lanyard is kept taut; h) for work positioning a warning to emphasize that it is essential for safety to use an anchor point positioned at or above waist level.	✓ ✓ ✓ ✓ ✓ ✓ ✓		✓	See pages from 12 to 17

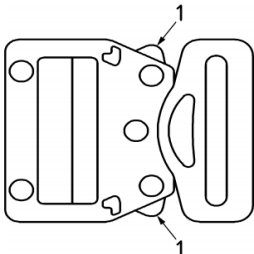
9.3.Conformity to the standard EN 813

Article of the standard EN 813	Content	Conformity*			Comments
		Yes	No	N-A	
Art. 4.1	Ergonomics When tested in accordance with 5.1.1, the sit harness shall be shown to: a) be capable of adjustment to enable correct positioning on the user; b) be able to support the user in a upright sitting position while in suspension; c) allow the person wearing the sit harness to undertake a specified range of movements without undue discomfort; d) have no fittings with contact with the groin, the inside of the thighs, the armpits or the small of the back; e) remain correctly adjusted.	✓ ✓ ✓ ✓ ✓			Date of tests: 19/12/2024 Tests on 2 test subjects
Art. 4.2	Design, materials and construction				
Art 4.2.1	Materials				
Art 4.2.1.1	When checked in accordance with 5.1.2.1, materials used in sit harnesses that may come into contact with the skin of a user shall not be known to cause irritating or sensitization effects when used as intended.	✓			
Art 4.2.1.2	When checked in accordance with 5.1.2.1, webbing and sewing threads shall be known to be made from man-made fibres suitable for their intended use and the breaking tenacity of the man-made fibres shall be known to be at least 0,6 N/tex.	✓			
Art 4.2.1.3	When checked in accordance with 5.1.2.1, the shade of the thread used for sewing shall be such as to contrast with the shade of the webbing to facilitate visual inspection.	✓			
Art 4.2.1.4	When checked in accordance with 5.1.2.1, metal and other parts shall be free from sharp edges and burrs that could cause injury.	✓			

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

Article of the standard EN 813	Content	Conformity*			Comments
		Yes	No	N-A	
Art 4.2.2	Attachment points				
Art.4.2.2.1	When checked in accordance with 5.1.2.1, the sit harness shall have at least one attachment point located at the front and to the centre. (see Figure 2a)). The front attachment point may be movable (see Figure 2b)). <i>Note: The front attachment point can consist of two attachment elements (e.g. loops) which are designed to be linked into a single attachment point as described in the manufacturer's instructions and information (see Figure 2c) and Figure 1b)).</i>  a) b) c) Figure 2 - Examples of attachment points (front view)	✓		✓	
Art.4.2.2.2	When checked in accordance with 5.1.2.1, if the sit harness has additional side or back work positioning or restraint attachment point(s), it shall comply with EN 358:2018.	✓			
Art.4.2.2.3	If shoulder straps are fitted to the sit harness, they shall not contain attachment points, when checked in accordance with 5.1.2.5, except if it is incorporated into a full body harness conforming to EN 361. <i>Note: An attachment to fix a progression equipment on a shoulder strap (e.g. rope clamp) is not considered as an attachment point.</i>	✓			
Art 4.2.3	Load bearing parts				
Art.4.2.3.1	When checked in accordance with 5.1.1.7, it shall be determined where load bearing parts exert pressure on the body.	✓			
Art.4.2.3.2	When checked in accordance with 5.1.2.3, the width of the zones identified under 5.1.1.7 shall be a minimum of 43 mm.	✓			
Art 4.2.4	Back support				
	Waist belts shall have a back support.	✓			
	When checked in accordance with 5.1.2.4 the minimum length of the back support shall be 50 mm longer than half the circumference of the waist belt when adjusted to the maximum radial length (waist size) specified by the manufacturer.	✓			
	The back support shall have a minimum width of 100 mm and shall cover a minimum overall surface area of 200 cm ² symmetrically arranged on the spine of the user and shall have a minimum width of 60 mm elsewhere.	✓			

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

Article of the standard EN 813	Content	Conformity*			Comments
		Yes	No	N-A	
Art 4.2.5	Fastening and adjustment elements				
Art. 4.2.5.1	When checked in accordance with 5.1.3.2, fastening elements shall be so designed and constructed that, when fastened in accordance with the manufacturer's instructions and information, they can be opened only by at least two different deliberate manual actions <i>Note: The example in Figure 3 can be considered as a fastening element which can be opened by two different deliberate manual actions.</i>	✓			
Art. 4.2.5.2	When checked in accordance with 5.1.3.3, fastening elements shall be so designed and constructed that, when fastened in accordance with the manufacturer's instructions and information, they cannot unintentionally open.	✓			
Art. 4.2.5.3	If fastening elements are so designed and constructed that they can be opened by pushing two buttons, e.g. see Figure 3, when fastened in accordance with the manufacturer's instructions and information, the buttons have to go back in their original position when checked in accordance with 5.1.3.4. The fastening element shall not release when checked in accordance with 5.1.3.5.	✓			
	 Key 1 button Figure 3 — Example for design of fastening elements with buttons				
Art. 4.2.5.4	When tested in accordance with 5.3, adjustments elements shall be so designed and constructed that, when adjusted in accordance with the manufacturer's instructions and information, the movement and slippage of the webbing through the adjustment elements of the sit harness shall be not more than 20 mm. If the manufacturer's instructions and information describe that adjustment elements can be adjusted in more than one manner, each manner of adjustment shall be tested.	✓			Date of test: 07/03/2025 S= 0 < 20 mm
Art 4.2.6	Accessibility When checked in accordance with 5.1.2.2, a visual inspection of the uncovered load bearing parts of the sit harness shall be possible, e.g. inspection of stitching, signs of wear or chemical attack. This shall also apply when the sit harness is incorporated into a garment.	✓			

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

Article of the standard EN 813	Content	Conformity*			Comments
		Yes	No	N-A	
Art 4.3	Dynamic strength When tested in accordance with 5.2, with a torso dummy having a mass of 100 kg, using each attachment point as described in the manufacturers' instructions and information, the sit harness shall withstand one drop test without releasing the torso dummy after the first impact and no load bearing part of the sit harness shall break, rupture or become detached. It is acceptable that the torso dummy slips out of the sit harness after rebound. Tested on the ventral attachment point located at the front and to the centre by metallic double bar D-ring	✓			Date of tests: 07/03/2025
Art 4.4	Static strength When tested in accordance with 5.3, using each attachment point as described in the manufacturers' instructions and information the sit harness shall withstand a force of 15 kN applied for 3 min and no load bearing part shall break, rupture or become detached. Tested on the ventral attachment point located at the front and to the centre by metallic double bar D-ring	✓			
Art 4.5	Corrosion resistance After testing in accordance with 5.4, the function of metallic fastening, adjustment and attachment elements of the sit harness shall not be affected <i>NOTE: Conformity to this requirement does not imply suitability for use in a marine environment.</i>	✓			See page 8
Art 4.6	Marking and information Marking of the sit harness shall be in accordance with Clause 6. Information shall be supplied with the sit harness in accordance with Clause 7.	✓			

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

Article of the standard EN 813	Content	Conformity			Comments
		Yes	No	N-A	
Art. 6	Marking Marking of the sit harness shall conform to EN 365:2004 In addition, the marking shall include the following: The size (e.g. S, M, L).	✓			See page 11
Art. 7	Information supplied by the manufacturer The manufacturer's instructions and information shall conform to EN 365:2004, 4.1 to 4.7 In addition, the manufacturer's instructions and information shall contain at least advice or information as follows: a) that the sit harness is approved for a user with a weight of up to 150 kg, including tools and equipment; b) on sizing details and how to obtain the optimum fit; c) on the correct way to put on the sit harness and the correct method of fastening or adjusting any sit harness fastening and adjustment elements; d) on identification of the attachment points of the sit harness, the correct method of connecting to them, a clear and unambiguous statement about their intended use; e) that before use for the first time, the user should carry out a comfort and adjustability test in a safe place to ensure that the sit harness is the correct size, has sufficient adjustment and is of an acceptable comfort level for the intended use; f) a warning to emphasize that a sit harness is not suitable for use for fall arrest purposes; g) a warning about the cause and effects of suspension trauma and how to protect against it; h) if the sit harness can be disassembled, how to assemble or reassemble the elements to prepare the sit harness ready for use; i) the essential need to regularly check fastening and adjustment elements during use; j) that when using a work positioning system, the user normally relies on the equipment for support, therefore it is essential to consider the need of using a back-up, e.g. a fall arrest system; k) for work positioning a warning to emphasize that it is essential for safety to use an anchor point positioned at or above waist level.	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		✓	See pages from 12 to 17