

APPLICATION FOR TEST REPORT

On Behalf of

Prepared For : Jiujiang Fire Fighting Equipment Co.,Ltd
No.1, Daqiao Road, Yujiahe, Lianxi District, Jiujiang City, Jiangxi Province,
China

Product Name : Fire Safety Belt

Model : FZL-YD-900, FZL-YD-900B

Prepared By : SHENZHEN POCE TECHNOLOGY CO., LTD.

H Building, Hongfa Science And Technology Park, Tangtuo, Shiyan,
Bao'an District, Shenzhen, China

Test Date : May 29, 2018 to Jun 06, 2018

Date of Report : Jun 06, 2018

Report No. : POCE18060504JRS

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of Shenzhen POCE Technology Co., Ltd.

TEST REPORT

EN 358:2000

Personal protective equipment for work positioning and prevention of falls from a height - Belts for work positioning and restraint and work positioning lanyards

Report Reference No.....: POCE18060504JRS

Tested by (name and signature): Eva

Approved by (name and signature) : Machael Mo

Date of issue.....: Jun 06, 2018



Testing Laboratory.....: Shenzhen POCE Technology Co., Ltd

Address.....: H Building, Hongfa Science And Technology Park, Tangtou, Shiyan, Bao'an District, Shenzhen, China

Applicant's name: Jiujiang Fire Fighting Equipment Co.,Ltd

Address.....: No.1, Daqiao Road, Yujiahe, Lianxi District, Jiujiang City, Jiangxi Province, China

Test standard: EN 358:2000

Test procedure.....: CE-LVD

Test item description: Fire Safety Belt

Trademark.....: JJXF

Manufacturer: Jiujiang Fire Fighting Equipment Co.,Ltd

Address.....: No.1, Daqiao Road, Yujiahe, Lianxi District, Jiujiang City, Jiangxi Province, China

Model(s): FZL-YD-900, FZL-YD-900B

Test case verdicts

Test case does not apply to the test object : N(.A.)

Test item does meet the requirement : P(ass)

Test item does not meet the requirement..... : F(ail)

Testing

Date of receipt of test item : May 29, 2018

Date(s) of performance of test..... : May 29, 2018- Jun 06, 2018

General remarks

This test report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

"(see remark #)" refers to a remark appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

Remark :

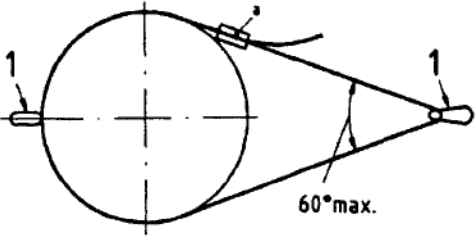
This European Standard has been prepared by Technical Committee CEN/TC 160, Protection against falls from height including working belts, the Secretariat of which is held by DIN

General product information:

The all models are similar except their model number and color, and all test are based on FZL-YD-900

EN 358:2000			
Clause	Requirement – Test	Result - Remark	Verdict
4	Requirements		—
4.1	Design and construction		—
4.1.1	Waist belt		P
4.1.1.1	A waist belt shall be designed to enable the wearer to perform his work without undue discomfort and remain secure against the hazard of a fall from a height. Essential fastening and adjustment elements shall remain accessible to the wearer and shall operate effectively when manipulated by hand		P
4.1.1.2	A waist belt shall be not less than 43 mm wide and shall be capable of adjustment to fit the wearer. The waist belt shall have at least one attachment element intended for the connection of load bearing components. The waist belt shall meet the performance requirements specified in 4.2	70±1mm	P
4.1.1.3	The fastening and adjustment elements of a waist belt shall be designed and constructed so that when correctly fastened, involuntary release or opening of the element cannot occur		P
4.1.1.4	It shall be possible to carry out a visual inspection of the waist belt		P
4.1.1.5 A	waist belt not fitted with a back support and intended for work positioning purposes shall be not less than 80 mm wide.		N/A
4.1.1.6 A	back support when fitted to a waist belt shall be designed to give physical support to the wearer without inhibiting either arm or leg movements.		N/A
4.1.1.7	When a waist belt is equipped with shoulder or leg straps they shall not impair use of the waist belt in any way.No attachment element shall be connected to a shoulder or leg strap.		N/A
4.1.1.8	When a waist belt is incorporated into other equipment, e.g. a full body harness (see EN 361), then the waist belt shall meet the performance requirements specified in 4.2.		P
4.1.2	Work positioning lanyard	No work positioning lanyard	N/A
4.1.2.1	A work positioning lanyard of fixed length shall meet the requirements of EN 354. It shall be intended for a specific purpose which shall be detailed by the manufacturer.		N/A
4.1.2.2 A	work positioning lanyard equipped with a length adjustment element shall be capable of adjustment to the minimum length which enables freedom to work and prevents the wearer from falling when the lanyard is incorporated into a specified work positioning system		N/A
4.1.2.3	Every work positioning lanyard shall be so constructed that involuntary release of the lanyard when connected to a waist belt is prevented.		N/A
4.1.2.4	A work positioning lanyard equipped with a length adjustment element shall be either		—

EN 358:2000			
Clause	Requirement – Test	Result - Remark	Verdict
	a) permanently attached to the waist belt at one end and have a connector compatible with an attachment element fMed to the waist belt at the other end		N/A
	b) detachable, in which case there shall be a connector at each end compatible with the attachment element(s) of the waist belt		N/A
	c) detachable (and independent), whereby at least one end of the work positioning lanyard shall be capable of attachment to a suitable anchor point		N/A
4.1.2.5	The work positioning lanyards described in 4.1.2.4 a) and b) shall have a maximum length of 2 m. The work positioning lanyard described in 4.1.2.4 c) shall be assigned a length of 2 m for the purpose of testing but shall not have a specified maximum length unless a limit is specified by the manufacturer.		N/A
4.1.2.6	It shall be possible to carry out a visual inspection of all the elements incorporated into the work positioning lanyard.		N/A
4.1.2.7	A work positioning lanyard shall meet the performance requirements of 4.2 when tested with a waist belt of a type with which it is intended to be used.		N/A
4.1.3	Materials		—
4.1.3.1	Webbing and yarns shall be made from virgin filament or multifilament synthetic fibres suitable for the use intended. The breaking tenacity of the synthetic fibre shall be known to be at least 0,6 Nitex.		P
4.1.3.2	Threads used for sewing shall be physically compatible with the webbing and of a quality comparable with that of the webbing. They shall be of a contrasting colour or shade in order to facilitate visual inspection.		P
4.1.3.3	When a work positioning lanyard is intended for a special application then the material appropriate for that specification (e. g. chain or wire rope) shall be specified by the manufacturer		N/A
4.1.3.4	The material used in the manufacture of a work positioning lanyard shall be known to have a minimum breaking force of 22 kN		N/A
4.1.4	Connectors		P
4.1.5	Thermal resilience		P
	Equipment which is claimed to be suitable for use in high temperature environments (e.g. fire-fighting exposure) shall be tested in accordance with 6.3.1.4 of EN 137:1993		P
4.2	Performance		—
4.2.1	Static strength		—
4.2.1.1	A waist belt shall be subjected to the static strength test described in 5.2.1 and shall withstand a force of 15 kN for 3 min without releasing the cylinder.		P
4.2.1.2	A waist belt with an integral work positioning lanyard		N/A

EN 358:2000			
Clause	Requirement – Test	Result - Remark	Verdict
	shall be subjected to the static strength test described in 5.2.2 and shall withstand a force of 15 kN for 3 min without releasing the cylinder.		
4.2.1.3	A work positioning lanyard with an adjustable element shall be subjected to the static strength test described in 5.2.3 and shall withstand a force of 15 kN for 3 min without fracture		N/A
4.2.2	Dynamic strength		P
4.2.3	Corrosion resistance		P
5	Testing		—
5.1	Test apparatus		—
5.1.1	Apparatus for the testing of waist belts and work positioning lanyards shall meet the requirements of 4.1 to 4.7 of EN 364:1992; and, in respect of an alternative dummy (with waist) the model shown in Figure 2 of EN 12277:1998 given a mass of 100 kg shall be acceptable.		P
5.1.2	The diameter of the test cylinder specified in 4.3 of EN 364:1992 may be reduced to a minimum of 250 mm to avoid contact between the waist belt buckle and the cylinder		P
5.2	Static strength test methods		—
5.2.1	Waist belt		—
5.2.1.1	<p>Install the waist belt and test cylinder in the test apparatus as shown in figure 1. Apply the specified test force between the test cylinder and a waist belt attachment element. Maintain the force for 3 min and observe whether the waist belt releases the cylinder</p>  <p>a) The buckle shall not contact the cylinder</p>		P
5.2.1.2	When waist belt attachment elements differ in design, or manner of connection to the belt, then the test shall be repeated for each different type of attachment.		P
5.2.2	Waist belt with integral work positioning lanyard		N/A
	Install the waist belt with integral work positioning lanyard and test cylinder in the test apparatus as shown in figure 2. Ensure that the length adjustment element is a minimum of 300 mm from the free end of the lanyard and mark its position		N/A

EN 358:2000			
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5.2.3	Detachable work positioning lanyard with a length adjustment element		N/A
5.3	Dynamic strength		P
5.3.1	General		
5.3.1.1	When a waist belt without an accompanying work positioning lanyard is required to be tested then a mountaineering rope of 11 mm diameter meeting the requirement of EN 892 'single rope' category shall be used for the purpose of the test		P
5.3.1.2	When waist belt attachment elements differ in design, or manner of connection to the belt, then the test shall be repeated for each different type of attachment.		P
5.3.1.3	When a work positioning lanyard without an accompanying waist belt is required to be tested then either a waist belt meeting the requirements of this standard fitted to a torso dummy, or a rigid mass of 100 kg, shall be used for the purpose of the test.		P
5.3.2	Test method		—
5.3.2.1	<p>Fit the waist belt to the selected torso dummy. Attach the work positioning lanyard or mountaineering rope to an attachment element of the waist belt. Adjust the length of the work positioning lanyard, or mountaineering rope, to (1 ± 0,05) m. Secure the connector at the free end of the work positioning lanyard to a structural anchor point as shown in figure 4</p> <p>1 Length adjustment element 2 Torso dummy</p>		P
5.3.2.2	Suspend the dummy by its upper attachment point and raise it so that the waist belt attachment element is		P

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	level with the structural anchor point and as close possible to it (without risk of contact during the fall)		
5.3.2.3	Release the torso dummy without initial velocity to free fall feet first about 1 m before the work positioning lanyard takes up the tension. Observe whether the torso dummy is released by the waist belt		P
5.4	Corrosion resistance		—
5.4.1	Expose the specimen to the neutral salt spray test for a period of 24 h and then dry it for 1 h. The neutral salt spray test procedure shall be in accordance with ISO 9227		P
5.4.2	When the specimen is examined white scaling or tarnishing is acceptable if the function of the element or component is not impaired. When it is necessary to gain visual access to internal components dismantle the device and examine as described		P
6	Information supplied by the manufacturer, marking and packaging		P
6.1	Information supplied by the manufacturer		—
	The information supplied by the manufacturer shall conform to the relevant requirements of EN 365 when applicable,	Jiujiang Fire Fighting Equipment Co.,Ltd	P
6.2	Marking		—
	The marking of waist belts and work positioning lanyards shall comply with EN 365 and shall in addition include the manufacturer's model designation or reference and the number of this European Standard, i.e EN 358		P
6.3	Packaging		—
	Each waist belt and work positioning lanyard shall when supplied be wrapped in suitable moisture proof packaging		P

Test photos of EUT:

Photo 1

view

- front
- back
- side
- top
- internal
- bottom



Photo 2

view

- front
- back
- side
- top
- internal
- bottom



*** End of the report ***