

Test Report

PPE against fall from a height EN 361: 2002 Full body harnesses

Report no: 2.19.06.04

Client: Portwest Ltd.
Portwest House
Westport Business and Technology Park
Westport
County Mayo
Eire

Manufacturer: Portwest Ltd.

Client order: T/0613

Order received: 10 June 2019

Model: FP12

Dates of tests: 14 June 2019 to 18 June 2019

Signed:



Steven Sum, Laboratory Manager

Issued: 20 June 2019

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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 ANAB Scope of Accreditation.

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Summary of assessment*

Clause	Requirement	Assessment (See Key)
4.1	Design & ergonomics	
4.2	Materials and construction	
4.3	Static strength	
4.4	Dynamic performance	Pass
4.5	Additional elements	
4.6	Marking and information	
6	Marking	
7	Information	
8	Packaging	

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.
NAp	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. (2G082 +)
Full body harness, model FP12	03	4 June 2019	01 to 03

Procedures

The specimens detailed within the submissions above were used for the tests covered by this report.

Testing was performed in accordance with EN 361:2002 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.

The client requested testing to clause 4.4 Dynamic Performance only.

No other clauses were assessed.

Result details**4.4 Dynamic performance – Back attachment**

Specimen 2G08201 was tested

When the specimen was tested at the back attachment element, the harness withstood the feet-first drop test without releasing the torso dummy and without rupturing. The torso dummy was arrested in the head-up position and the angle of its back to the vertical was 23 degrees, which is less than the maximum 50 degrees permitted.

Pass

When the specimen was tested at the back attachment element, the harness withstood the head-first drop test without releasing the torso dummy and without rupturing. The torso dummy was arrested in the head-up position and the angle of its back to the vertical was 25 degrees, which is less than the maximum 50 degrees permitted.

Pass

4.4 Dynamic performance – Frontal attachment

Specimen 2G08202 was tested

When the specimen was tested at the pair of frontal attachment element, the harness withstood the feet-first drop test without releasing the torso dummy and without rupturing. The torso dummy was arrested in the head-up position and the angle of its back to the vertical was 35 degrees, which is less than the maximum 50 degrees permitted.

Pass

When the specimen was tested at the pair of frontal attachment element, the harness withstood the head-first drop test without releasing the torso dummy and without rupturing. The torso dummy was arrested in the head-up position and the angle of its back to the vertical was 37 degrees, which is less than the maximum 50 degrees permitted.

Pass

Estimates of the uncertainty of measurement

Clause	Test	Uncertainty
4.1	Design & ergonomics	-
4.2	Materials and construction	*
4.3	Static strength	±3.5%
4.4	Dynamic performance	±0.8%
4.5	Additional elements	See report
4.6	Marking and information	-
6	Marking	-
7	Information	-
8	Packaging	-

* 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. Photograph of the product tested. (1 page)

END OF REPORT

Portwest Ltd -
Full body harness, model FP12



INSPEC Testing Services' specimen 2G08201

14 June 2019