



INSPECTION REPORT

BP PARAGLIDERS HARNESS BACK PROTECTORS

Inspectio report number: **PH 150.2015**

TEST SAMPLE DATA

Manufacturer name: **Supair Sàrl**

Contact person: **Laurent Chiabaut**

Street: **34, rue Adrastée**

Post code / place: **74650 Chavanod**

Country: **France**

Harness manufacturer name: **ACRO 3**

Harness manufacturer size: **S**

Serial number of the test sample: **2165 55 5519**

Harness weight [kg]: **4.9**

Maximum certified pilot weight [kg]: **120**

Harness protector type: **Foam**

Harness type: **ABS**

Volume rescue system container [cm3] Max: **3000**

Volume rescue system container [cm3] Min: **6500**

Sample reception date: **17/07/2015**

Place of declaration: **Villeneuve**

Date of issue: **27/11/2015**

Director Management: **Alain Zoller**

Signature: _____

Air Turquoise SA, having thoroughly assessed the sample mentioned hereunder, declare it was found conform with all requirements defined by the following directives:

Airworthiness requirements for hang gliders and paragliders LTF 2009 as published in NfL 91/09 chapter 5 Paraglider harness protectors

Present declaration's scope only extends to the conformity of a given sample, on a given date and in a given place – as mentioned here above.

This inspection report contain the following test and is complet with the **test report PH BP**

TESTS RESULTS

.Shock impact tests is executed on these harnesses in order to prove the damping characteristics of it.

Test ID	TESTED ?	Standard	TEST setup	Test configuration	Impact at 165 cm (Seat plate)			Results
					Max Peak impact [g] force	Impact duration at 38 [g] (if any) recorded: [ms]	Impact duration at 20 [g] (if any) recorded: [ms]	
PRO TECT 1	✓	5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature +20+25°C without rescue	47,21	6,58	0,00	POSITIVE
PRO TECT 2		5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature +20+25°C with rescue	0,00	0,00	0,00	n/a
PRO TECT 3	✓	5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature -10+5°C without rescue	39,90	0,00	0,00	POSITIVE
PRO TECT 4		5.1.1	Default flying position	Test sample is attached to the dummy like a pilot in flight. Sample temperature -10+5°C with rescue	0,00	0,00	0,00	n/a

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BACK PROTECTORS SHOCK TEST

BP PARAGLIDERS HARNESS BACK PROTECTORS


TEST REPORT PH BP

Inspection report number: **PH 150.2015**

TEST SAMPLE DATA

Manufacturer name: **Supair Sàrl**
 Adress: **Laurent Chiabaut**
34, rue Adrastée
74650 Chavanod

Harness Manufacturers name: **ACRO 3**
 Harness Manufacturers Size: **Supair Sàrl**
 Harness Manufacturers max load (kg): **120**
 Harness Manufacturers serial number: **2165 55 5519**
 Date of sample reception: **17/07/2015**
 Directive: **LTF NFL II-91/09 chapter 5 Paraglider harness protectors**
 Place of inspection: **Villeneuve**
 Date of inspection: **27/11/2015**
 Inspector: **Alain Zoller**

Signature: 

The following limits may not be exceeded during back protector test: Maximum peak 50g, Maximum 38g for a period of 7 milliseconds, Maximum 20g for a period of 25 milliseconds: All three criteria must be fulfilled.

TEST ATMOSPHERE AGL

[C°] **22,1**
 RH [%] **43**
 [hPa] **1008.6**

RESULTS Impact in at a height of min 165 [[cm] drop:

Without rescue system	20 25°	20 25°	*-10° -5°	*-10° -5°
Test ID	P1	P2	PN1	PN2
Absolute maximum impact [g]	43,7	47,2	44,4	39,9
Impact duration of+ 38 [g] (if any): [ms]	0,00	6,58	0,00	0,00
Impact duration of +20 [g] (if any): [ms]	0,00	0,00	0,00	0,00
Uncertainty 95 % [%]	7,00	7,00	7,00	7,00
Uncertainty 95 % [g]	3,06	3,30	3,11	2,79
MAX ACCELERATION compare [%]	100	108	100	90
Test Result:	POSITIVE	POSITIVE	POSITIVE	POSITIVE
With rescue system	20 25°	20 25°	*-10° -5°	*-10° -5°
Test ID	P1R	P2R	PN1R	PN2R
Absolute maximum impact [g]	0,0	0,0	0,0	0,0
Impact duration of+ 38 [g] (if any): [ms]	0,00	0,00	0,00	0,00
Impact duration of +20 [g] (if any): [ms]	0,00	0,00	0,00	0,00
Uncertainty 95 % [%]	7,00	7,00	7,00	7,00
Uncertainty 95 % [g]	0,00	0,00	0,00	0,00
MAX ACCELERATION compare [%]	100	n/a	100	n/a
Test Result:	n/a	n/a	n/a	n/a

Instruments	Validity	Manufacturer	Type nr.	S/N
Accelero meter sensor 100 G	2017	Burster / MTS	89010-100	1263567
Geos n° 11 Skywatch	07/04/2017	JDC electronics	Geos n° 11	0022

* Sample is refrigered at negative value according to the LTF91/09 chapter 5 requieremnts, the test is executed at the test room temperature.

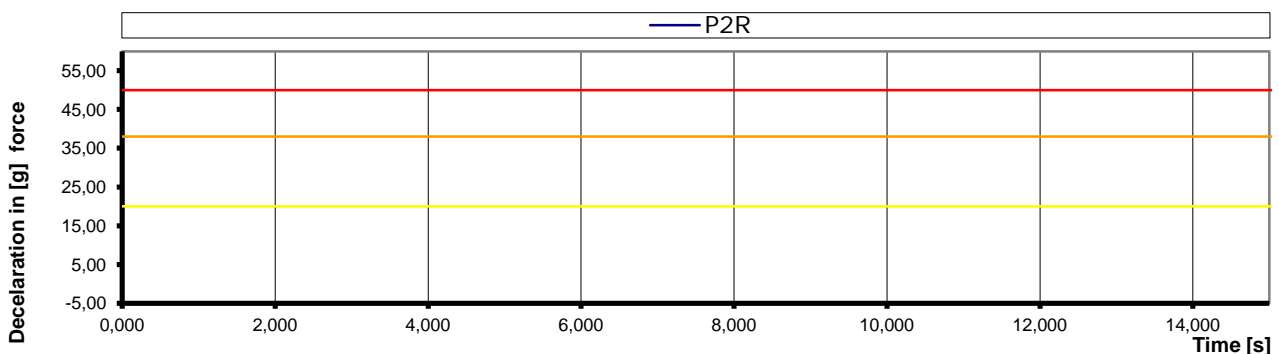
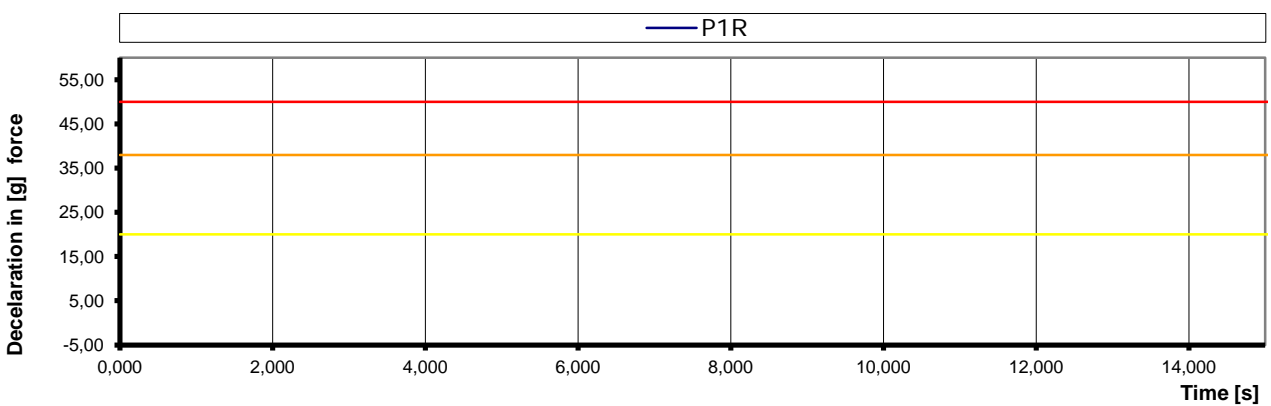
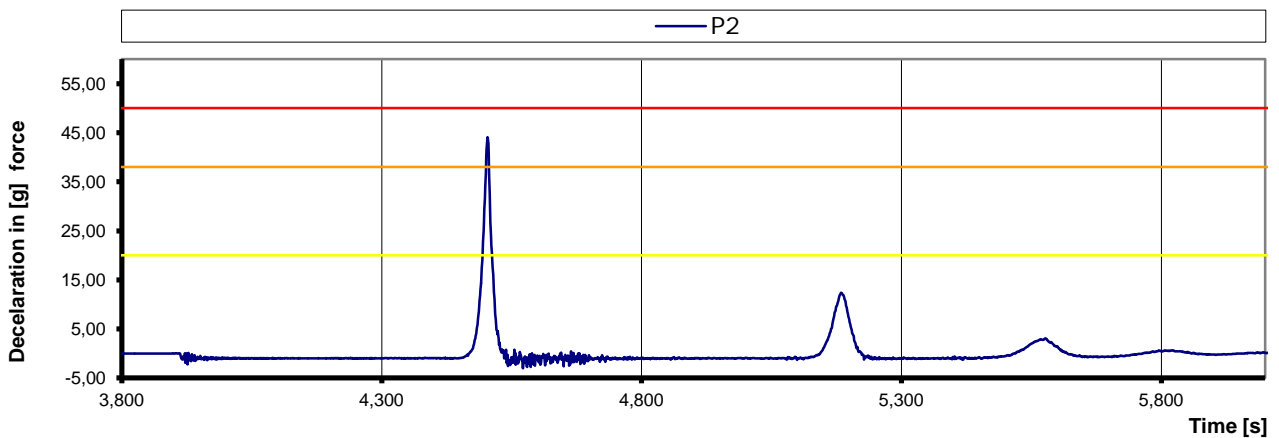
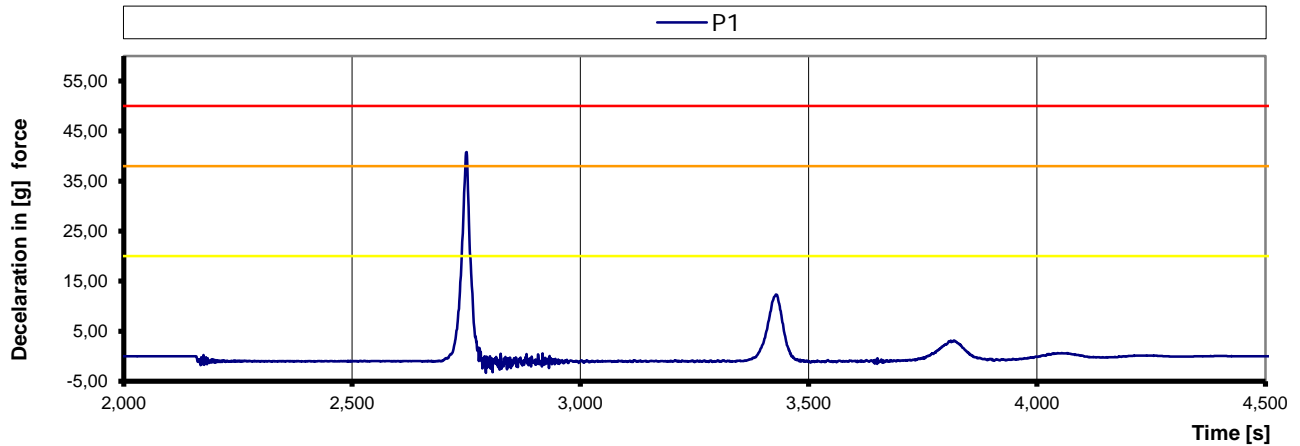


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