



BP PARAGLIDERS HARNESS BACK PROTECTORS

INSPECTION REPORT

Inspection report number: **PH 151.2015 BP**

MANUFACTURER HARNESS DATA

Manufacturer name: **Supair Sàrl**
Contact person: **Laurent Chiabaut**
Street: **34, rue Adrastée**
Post code / place: **74650 Chavanod**
Country: **France**

Name: **Radical 3 / Removable Air Bag**

Type: **ABS**

Weight [gr]: **950** Max load [kg]: **Only Air Bag**

Serial number: **3-2165-SM-11.03-EI**

Protector type: **Airbag**

TEST DATA

TEST ATMOSPHERE AGL

Reception date: **18/11/2015**
Test place and date: **Villeneuve, 18/11/2015**
Test responsible: **Alain Zoller**

[C°] **22,1**
RH [%] **43**
[hPa] **1026,3**
Wind [m/s] **0**

Place of declaration: **Villeneuve**
Date of issue: **27/11/2015**
Director management: **Alain Zoller**

Signature:

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]	
		LTF						
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	21,20	0,00	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	0,00	0,00	0,00	n/a
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

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Inspection report number: **PH 151.2015 BP**

Manufacturer name: **Supair Sàrl**

Name: **Radical 3**

Max load [kg] : **Only Air Bag**

Serial number : **3-2165-SM-11.03-EI**

Test place & date: **Villeneuve, 18/11/2015**

Test responsible: **Alain Zoller**

Directives: **LTF NFL II-91/09 chapter 5 Paraglider harness protectors**

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.

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]	19,2	21,2	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]	1,35	1,48	0,00	0,00	
MAX ACCELERATION compare [%]	100	110	n/a	n/a	
Test Result:	POSITIVE	POSITIVE	n/a	n/a	
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 [%]	n/a	n/a	n/a	n/a	
Test Result:	n/a	n/a	n/a	n/a	

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

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



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