



# PH PARAGLIDER HARNESSSES | IP IMPACT PAD

## INSPECTION CERTIFICATE

Inspection certificate number: **PH\_IP\_165.2016**

### MANUFACTURER DATA

Manufacturer name: **Sky Paragliders**

Contact person: **Nemec Martin**

Street: **Okruzni 39**

Post code / place: **73911 Frydlant N.C.**

Country: **Czech Republic**

### SAMPLE DATA

Name: **Gii 3**

Size: **S**

Impact pad type: **Airbag**

Pilot max load [kg] : **120**

Harness type: **ABS**

Serial number: **2156-13-6308**

Weight [kg] : **2.6**

Sample reception date: **14.06.2016**

Test date: **14.06.2016**

### ISSUE DATA

Place of declaration: **Villeneuve**

Date of issue: **27.09.2016**

Director Management: **Alain Zoller**

Signature:

This signature approve the validity of the test reports PH BP

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

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 SUMMARY

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]	
P	✓	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	42.65	6.54	19.73	POSITIVE
PR	✓	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	39.64	4.28	19.64	POSITIVE

Calculated value include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

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# IMPACT PAD SHOCK TEST

# TEST REPORT PH IP

BP PARAGLIDER HARNESSES / BACK PROTECTORS

Inspection certificate ref. number: PH\_IP\_165.2016

### MANUFACTURER DATA

Manufacturer name: Sky Paragliders  
 Contact person: Nemeč Martin  
 Street: Okružni 39  
 Post code / place: 73911 Frydlant N.C.  
 Country: Czech Republic

### SAMPLE DATA

Name: Gii 3  
 Size: S  
 Max load [kg]: 120  
 Serial number: 2156-13-6308  
 Date of reception: 14.06.2016

### ISSUE DATA

Place of inspection: Villeneuve  
 Date of inspection: 14.06.2016  
 Inspector: Alain Zoller  
 Directive: 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.

### TEST ATMOSPHERE AGL

[C°] 21.3  
 RH [%] 53  
 [hPa] 1005.5

### TEST RESULTS

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

BP test without rescue system	P1 (first test)	P2 (second test)	Max value
Absolute maximum impact [g]	38.6	42.7	42.65
Impact duration at +38 [g] (if any): [ms]	3.50	6.54	6.54
Impact duration at +20 [g] (if any): [ms]	19.73	19.40	19.73
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	2.70	2.99	
Repeat testing / max peak comparison [%]	100	111	
<b>Test Result:</b>	<b>POSITIVE</b>	<b>POSITIVE</b>	
BP with rescue system (if applicable)	PR1 (first test)	PR2 (second test)	Max value
Absolute maximum impact [g]	38.0	39.6	39.64
Impact duration at +38 [g] (if any): [ms]	0.54	4.28	4.28
Impact duration at +20 [g] (if any): [ms]	19.57	19.64	19.64
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	2.66	2.78	
Repeat testing / max peak comparison [%]	100	104	
<b>Test Result:</b>	<b>POSITIVE</b>	<b>POSITIVE</b>	

Calculated value include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

Instruments	Validity	Manufacturer	Type nr.	S/N
Accelerometer sensor 100 G	01.08.2018	Burster / MTS	89010-100	1263567
Geos n° 11 Skywatch	07.04.2017	JDC electronics	Geos n° 11	0022

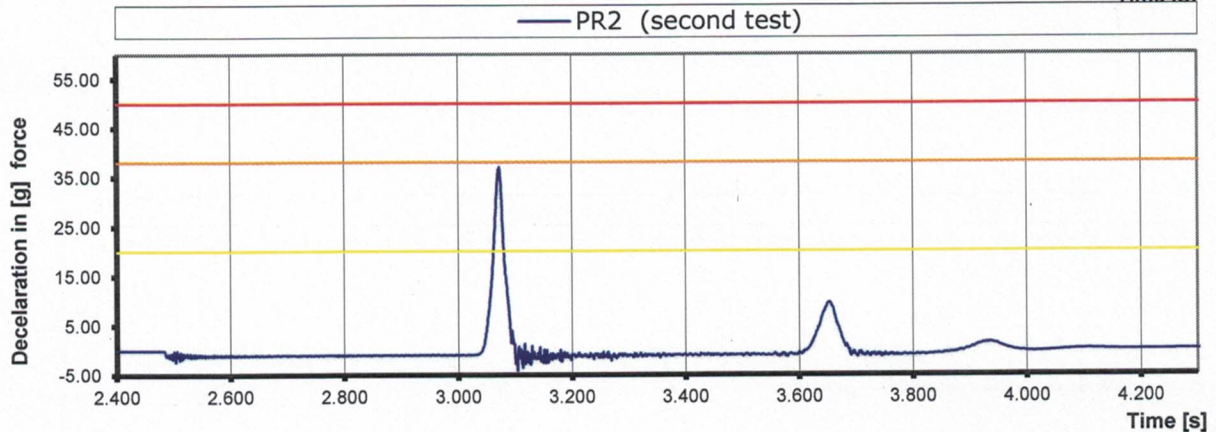
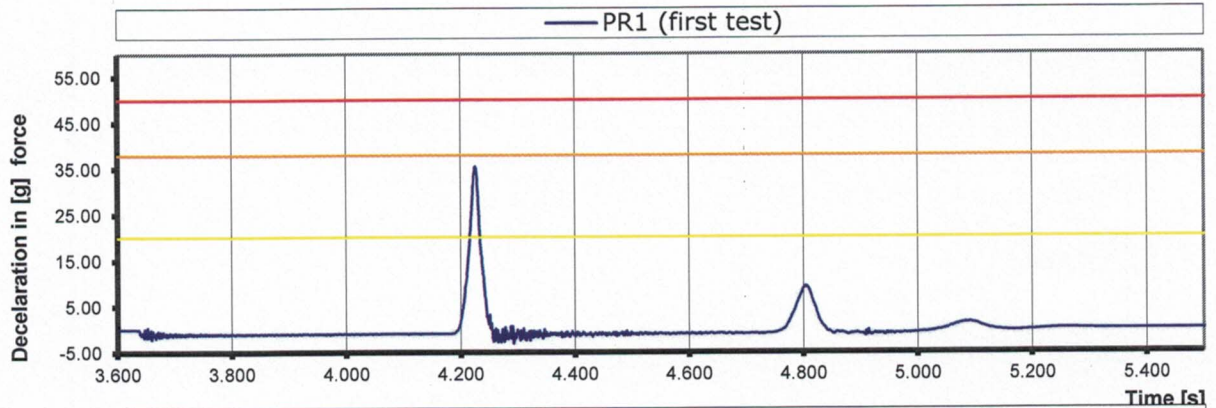
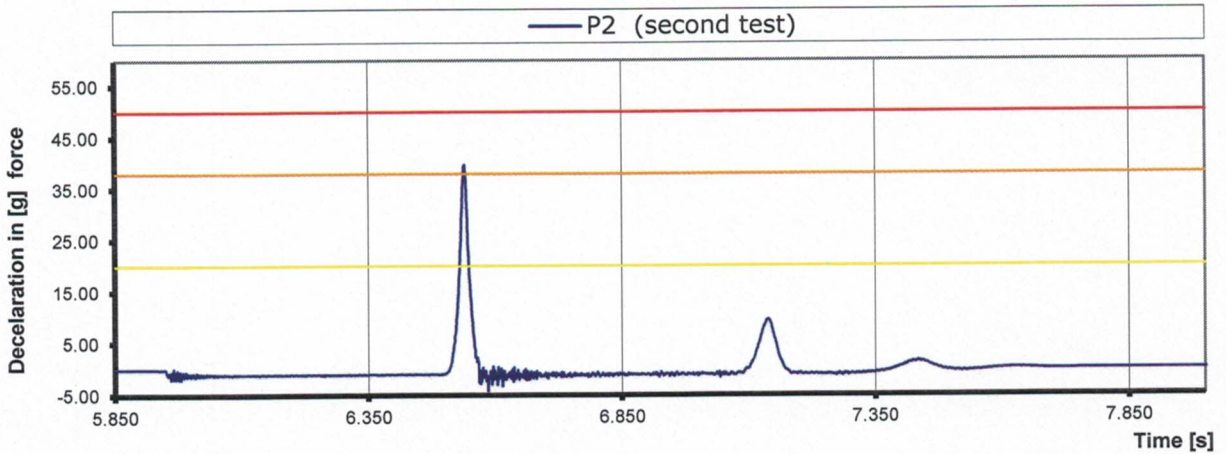
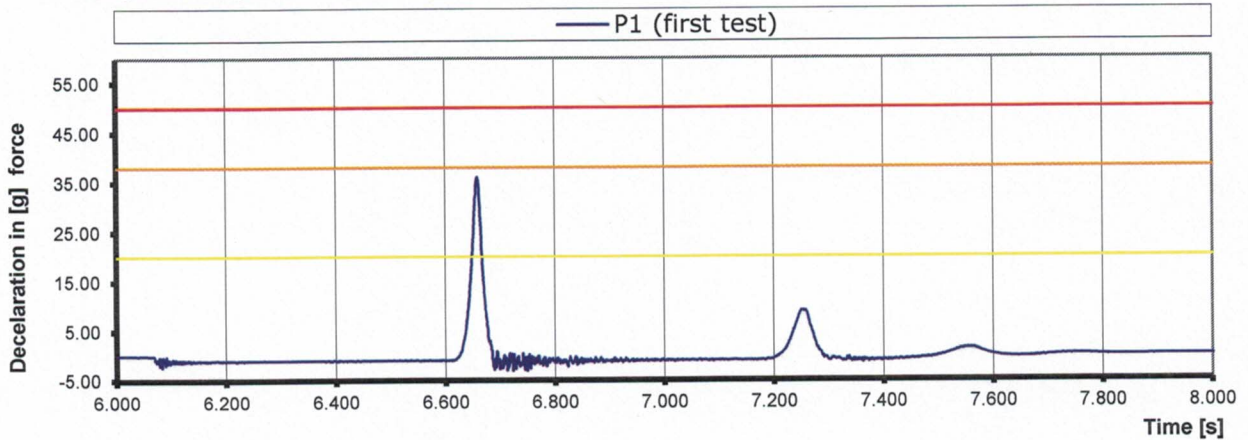
The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2

# IMPACT PAD SHOCK TEST

# TEST REPORT PH iP

BP PARAGLIDERS HARNESS BACK PROTECTORS

Inspection report number: PH\_IP\_165.2016



The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2