

# PH PARAGLIDER HARNESSSES | IP IMPACT PAD

## INSPECTION CERTIFICATE

Inspection certificate number: **PH\_IP\_191.2017**

### MANUFACTURER DATA

Manufacturer name: **Fly & More Handels GmbH / ICARO Paragliders**

Contact person: **Wolfgang Kaiser**

Street: **Hochriesstr. 1**

Post code / place: **83126 Flintsbach**

Country: **Germany**

### SAMPLE DATA

Name: **Circus**

Size: **M**

Impact pad type: **Foam**

Serial number: **02CIRI3M**

Weight [kg] : **5.6**

Sample reception date: **11.03.2017**

Test date: **19.03.2017**

### ISSUE DATA

Place of declaration: **Villeneuve**

Date of issue: **22.06.2018**

Director Management: **Alain Zoller**

Signature:



This signature approve the validity of the test reports PH IP

**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 IP**

### 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
		LTF			Max Peak impact [g] force	Impact duration at 38 [g] (if any) recorded: [ms]	Impact duration at 20 [g] (if any) recorded: [ms]	
<b>P</b>	✓	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	28.19	0.00	17.34	<b>POSITIVE</b>
<b>PR</b>	✓	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	32.19	0.00	18.14	<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%.

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## IMPACT PAD SHOCK TEST

## TEST REPORT PH IP

Inspection certificate ref. number: **PH\_IP\_191.2017**

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 Contact person: **Wolfgang Kaiser**  
 Street: **Hochriesstr. 1**  
 Post code / place: **83126 Flintsbach**  
 Country: **Germany**

### SAMPLE DATA

Name: **Circus**  
 Size: **M**  
 Serial number: **02CIRI3M**  
 Date of reception: **11.03.2017**

### ISSUE DATA

Place of inspection: **Villeneuve**  
 Date of inspection: **19.03.2017**  
 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°] **22.1**  
 RH [%] **40**  
 [hPa] **1018.9**

### 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]	28.2	25.5	<b>28.19</b>
Impact duration at +38 [g] (if any): [ms]	0.00	0.00	<b>0.00</b>
Impact duration at +20 [g] (if any): [ms]	17.34	15.78	<b>17.34</b>
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	1.97	1.78	
Repeat testing / max peak comparison [%]	100	90	
<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]	27.5	32.2	<b>32.19</b>
Impact duration at +38 [g] (if any): [ms]	0.00	0.00	<b>0.00</b>
Impact duration at +20 [g] (if any): [ms]	16.55	18.14	<b>18.14</b>
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	1.92	2.25	
Repeat testing / max peak comparison [%]	100	117	
<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%.

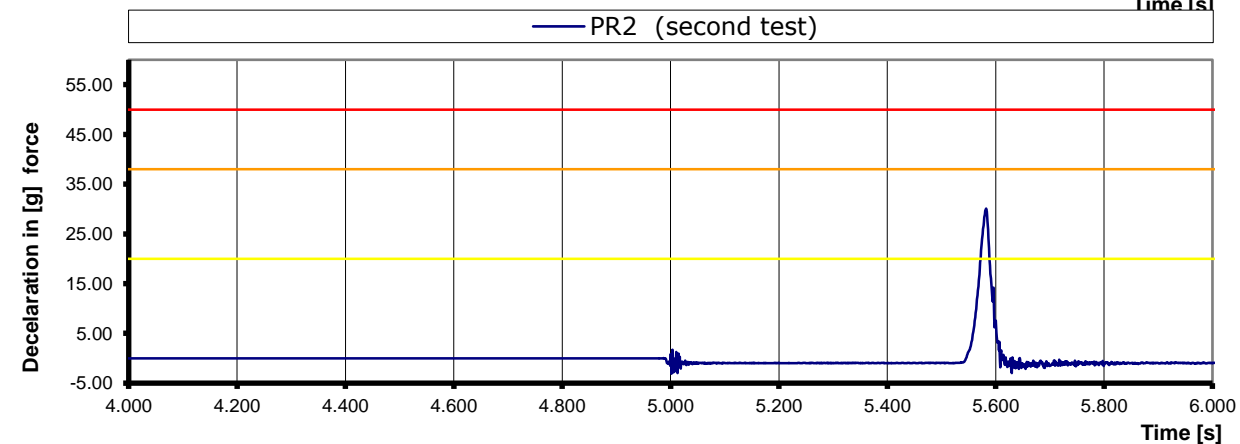
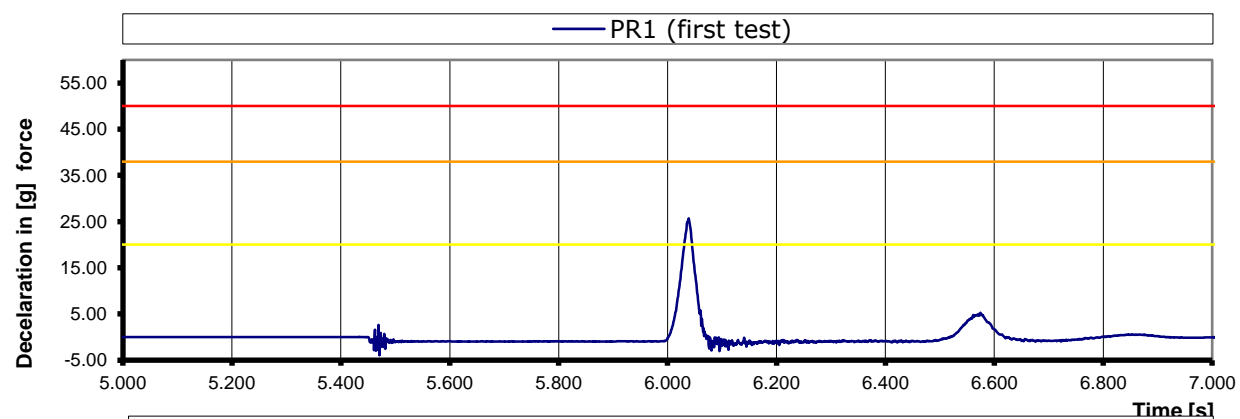
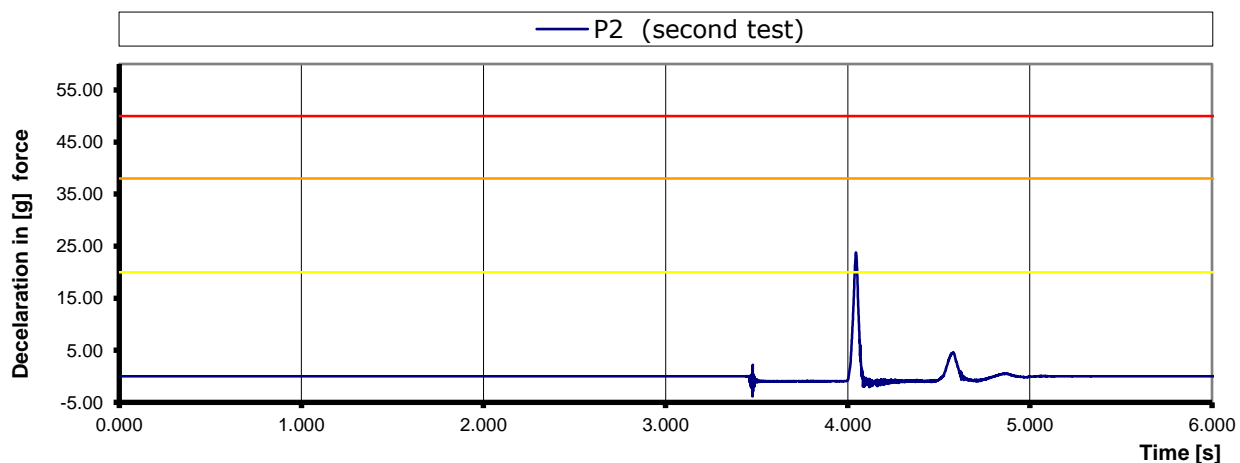
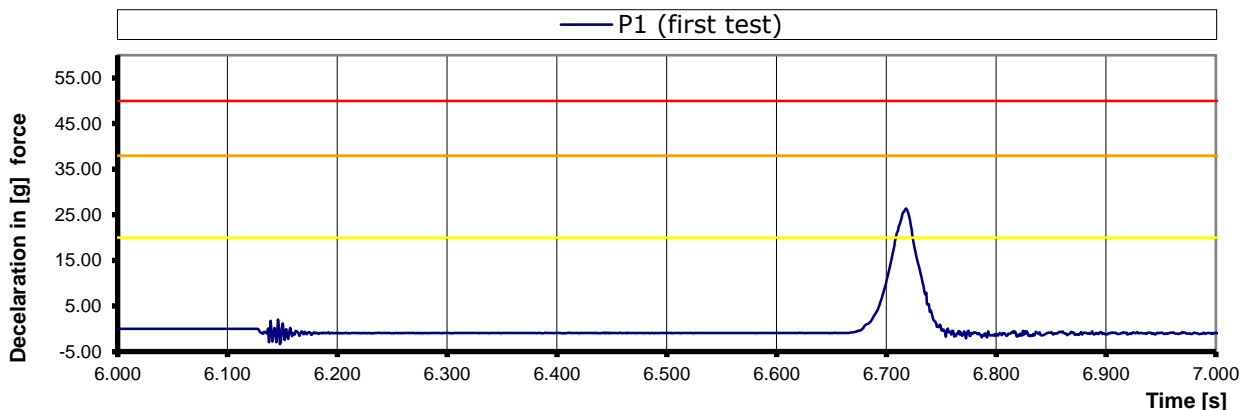
Instruments	Validity	Manufacturer	Type nr.	S/N
Accelero meter sensor 100 G	10.07.2016	Burster / MTS	89010-100	1263567
Geos n° 11 Skywatch	07.04.2017	JDC electronics	Geos n° 11	0022

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

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