

PH PARAGLIDER HARNESSSES | IP IMPACT PAD

INSPECTION CERTIFICATE

Inspection certificate number: **PH_IP_185.2017**

MANUFACTURER DATA

Manufacturer name: **Advance Thun AG**

Contact person: **Rolf Zeltner**

Street: **Uttigenstrasse 87**

Post code / place: **3600 Thun**

Country: **Switzerland**

SAMPLE DATA

Name: **BiPro 3**

Size: **M**

Impact pad type: **Inflatable**

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

Harness type: **ABS**

Serial number: **1139418**

Weight [kg] : **2.6**

Sample reception date: **23.12.2016**

Test date:

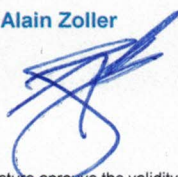
ISSUE DATA

Place of declaration: **Villeneuve**

Date of issue: **23.12.2016**

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	40.13	4.56	19.31	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	38.28	1.59	19.43	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%.

This declaration must not be reproduced in part without the written permission of AIR TURQUOISE SA.

IMPACT PAD SHOCK TEST

TEST REPORT PH IP

BP PARAGLIDER HARNESSES / BACK PROTECTORS

Inspection certificate ref. number: PH_IP_185.2017

MANUFACTURER DATA

Manufacturer name: Advance Thun AG
 Contact person: Rolf Zeltner
 Street: Uttigenstrasse 87
 Post code / place: 3600 Thun
 Country: Switzerland

SAMPLE DATA

Name: BiPro 3
 Size: M
 Max load [kg]: 120
 Serial number: 1139418
 Date of reception: 23.12.2016

ISSUE DATA

Place of inspection: Villeneuve
 Date of inspection: 23.12.2016
 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°] 21.4
 RH [%] 33
 [hPa] 1036.1

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]	39.0	40.1	40.13
Impact duration at +38 [g] (if any): [ms]	2.78	4.56	4.56
Impact duration at +20 [g] (if any): [ms]	18.83	19.31	19.31
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	2.73	2.81	
Repeat testing / max peak comparison [%]	100	103	
Test Result:	POSITIVE	POSITIVE	
BP with rescue system (if applicable)	PR1 (first test)	PR2 (second test)	Max value
Absolute maximum impact [g]	38.3	37.9	38.28
Impact duration at +38 [g] (if any): [ms]	1.59	0.00	1.59
Impact duration at +20 [g] (if any): [ms]	19.43	19.31	19.43
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	2.68	2.65	
Repeat testing / max peak comparison [%]	100	99	
Test Result:	POSITIVE	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%.

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

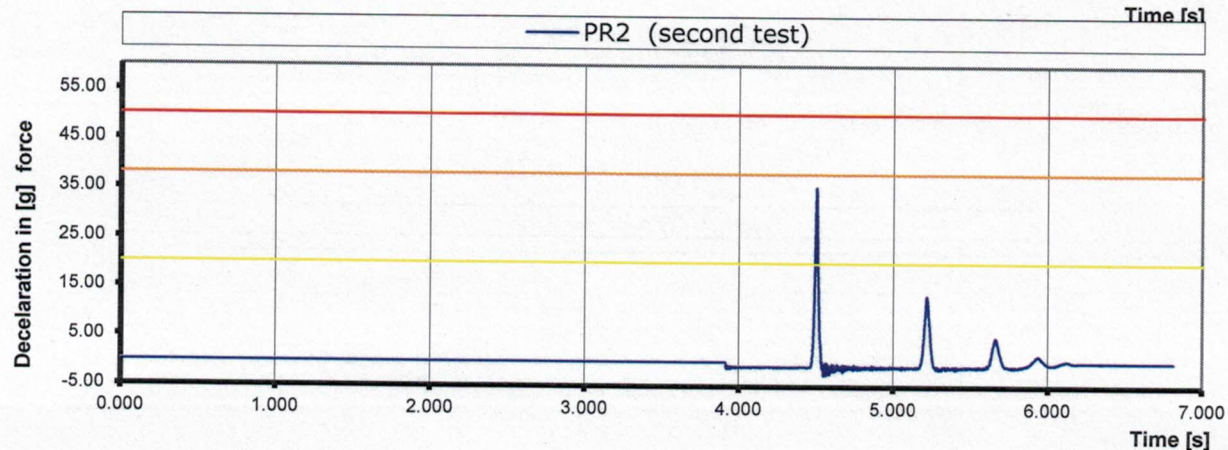
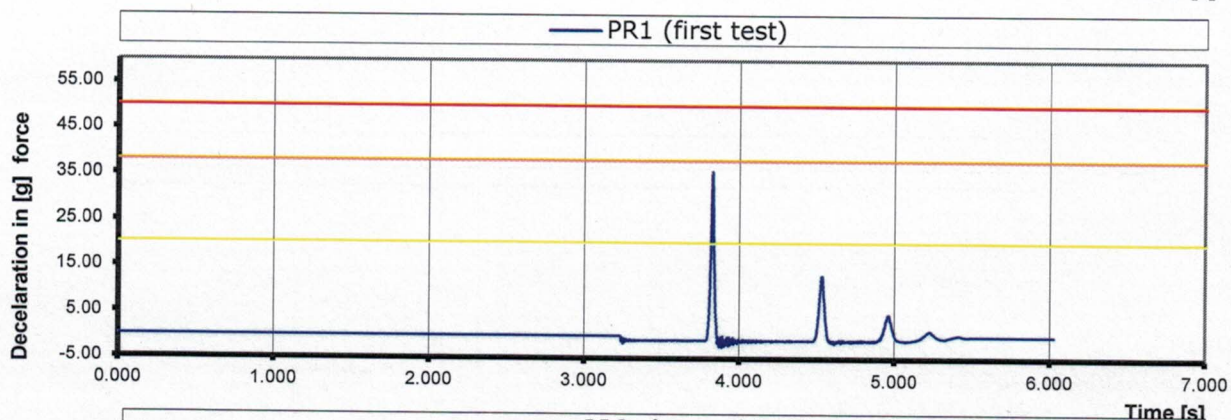
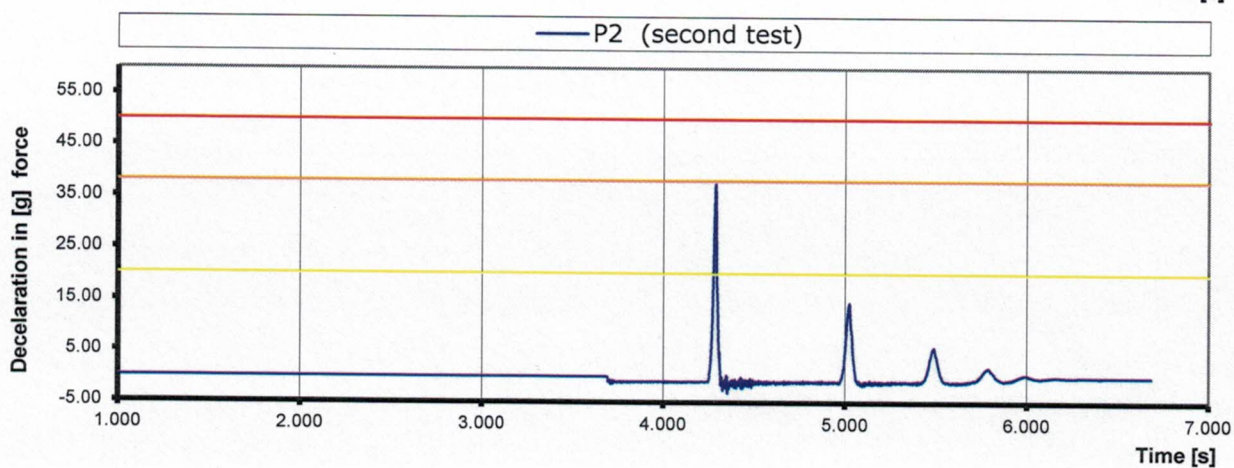
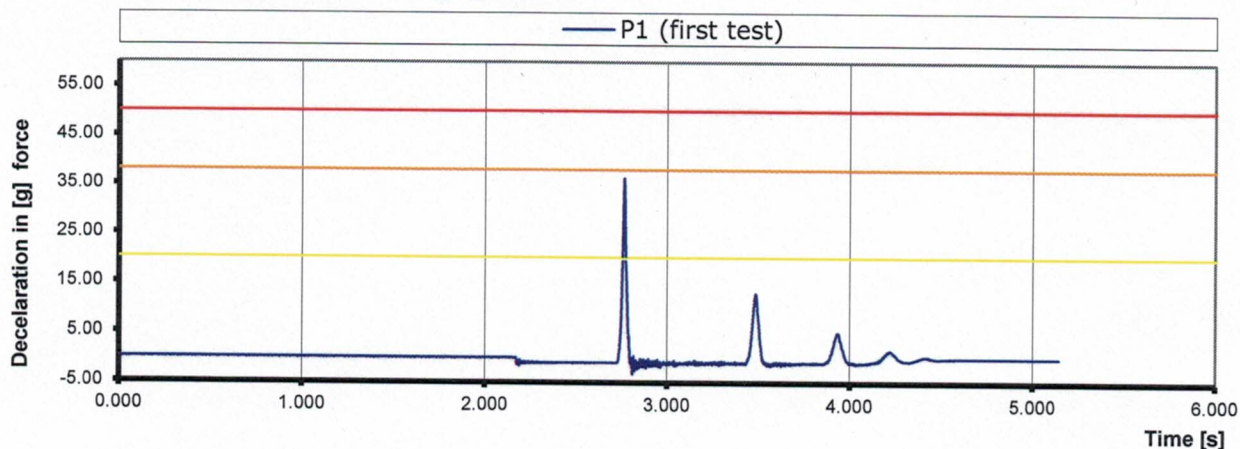
The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2

IMPACT PAD SHOCK TEST

TEST REPORT PH IP

BP PARAGLIDERS HARNESS BACK PROTECTORS

Inspection report number: PH_IP_185.2017



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