

IMPACT PAD SHOCK TEST

TEST REPORT PH IP

BP PARAGLIDER HARNESSES / BACK PROTECTORS

Inspection certificate ref. number: **PH_IP_190.2017**

MANUFACTURER DATA

Manufacturer name: **Niviuk Gliders - Air Games**
 Contact person: **Dominique Cizeau**
 Street: **C. Del Ter, 6-Nave D**
 Post code / place: **17165 La Cellera de Ter Girona**
 Country: **Spain**

SAMPLE DATA

Name: **Roamer 2 Airbag**
 Size: **M**
 Max load [kg]: **120**
 Serial number: **M-V1**
 Date of reception: **21.10.2016**

ISSUE DATA

Place of inspection: **Villeneuve**
 Date of inspection: **21.11.2016**
 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°] **21.5**
 RH [%] **40**
 [hPa] **1003.6**

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]	15.4	15.4	15.42
Impact duration at +38 [g] (if any): [ms]	0.00	0.00	0.00
Impact duration at +20 [g] (if any): [ms]	0.00	0.00	0.00
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	1.08	1.08	
Repeat testing / max peak comparison [%]	100	100	
Test Result:	POSITIVE	POSITIVE	
BP with rescue system (if applicable)	PR1 (first test)	PR2 (second test)	Max value
Absolute maximum impact [g]	0.0	0.0	0.00
Impact duration at +38 [g] (if any): [ms]	0.00	0.00	0.00
Impact duration at +20 [g] (if any): [ms]	0.00	0.00	0.00
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	0.00	0.00	
Repeat testing / max peak comparison [%]	100	n/a	
Test Result:	n/a	n/a	

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

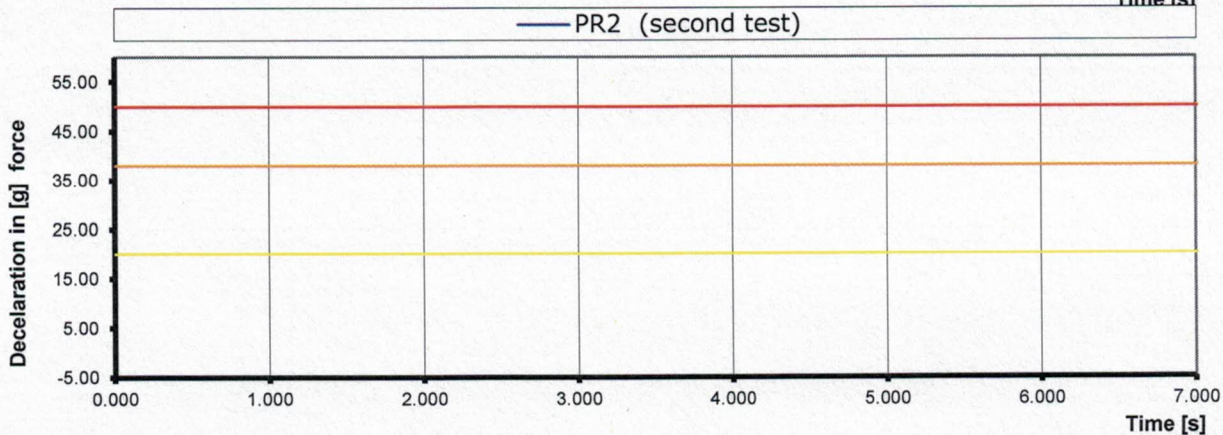
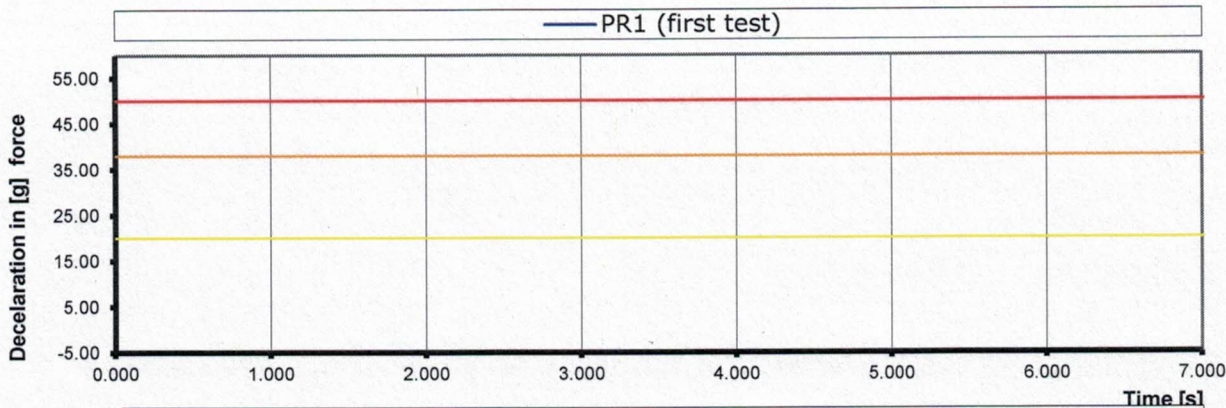
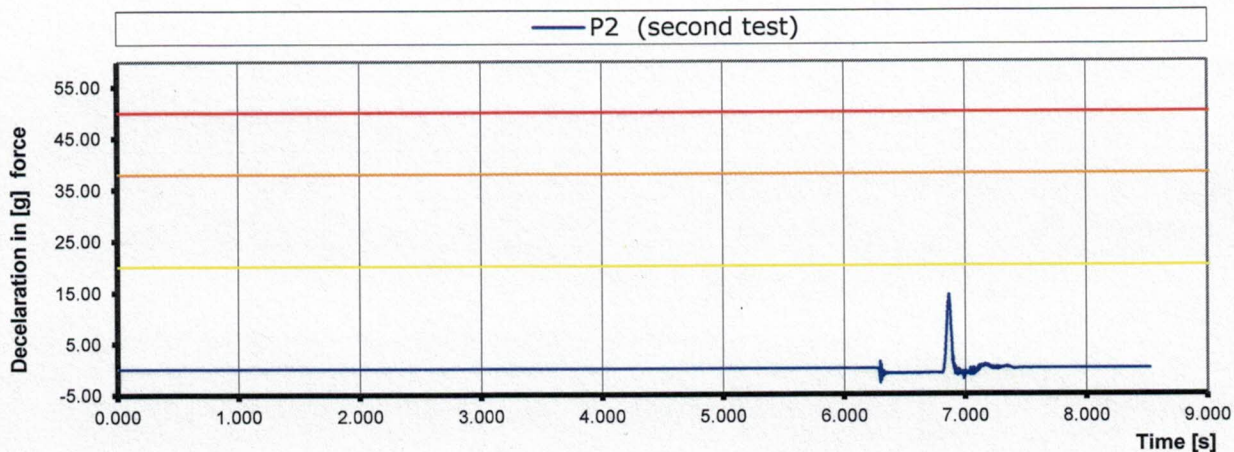
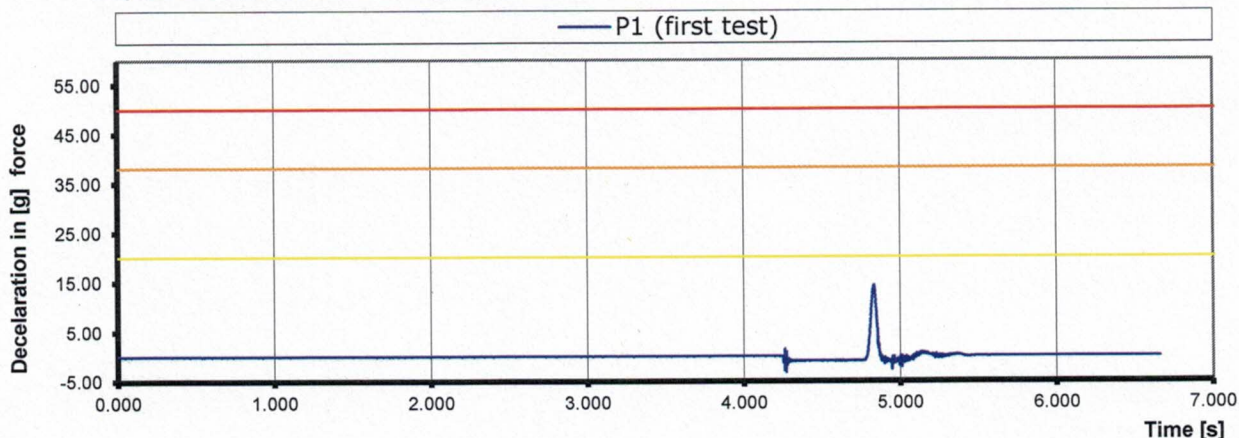
The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2

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