

IMPACT PAD SHOCK TEST

TEST REPORT PH IP

BP PARAGLIDER HARNESSSES / BACK PROTECTORS

Inspection certificate ref. number: PH_IP_167.2016

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 Alpha
 Size: S
 Max load [kg]: 120
 Serial number: 2155-13-6241
 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	
Test Result:	POSITIVE	POSITIVE	
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	
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	01.08.2018	Burster / MTS	89010-100	1263567
Geos n° 11 Skywatch	07.04.2017	JDC electronics	Geos n° 11	0022

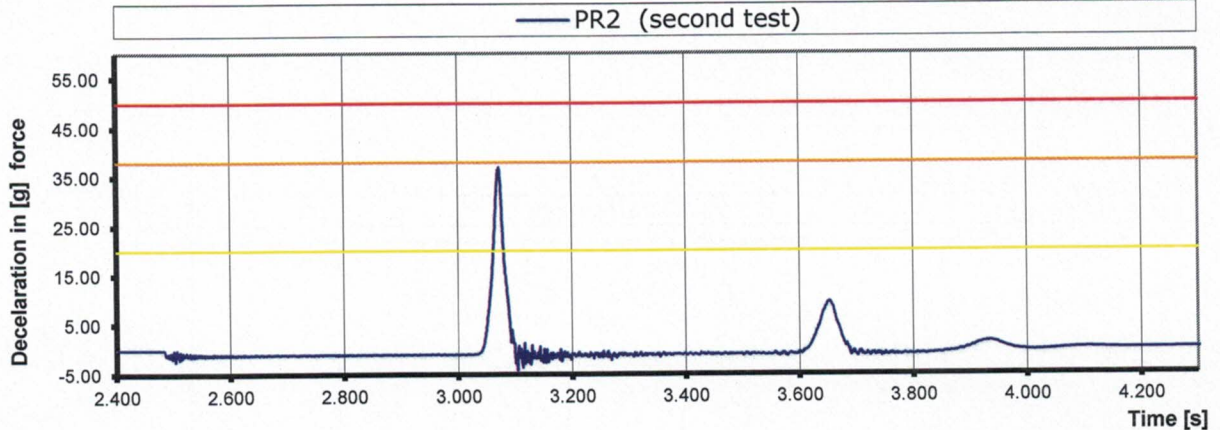
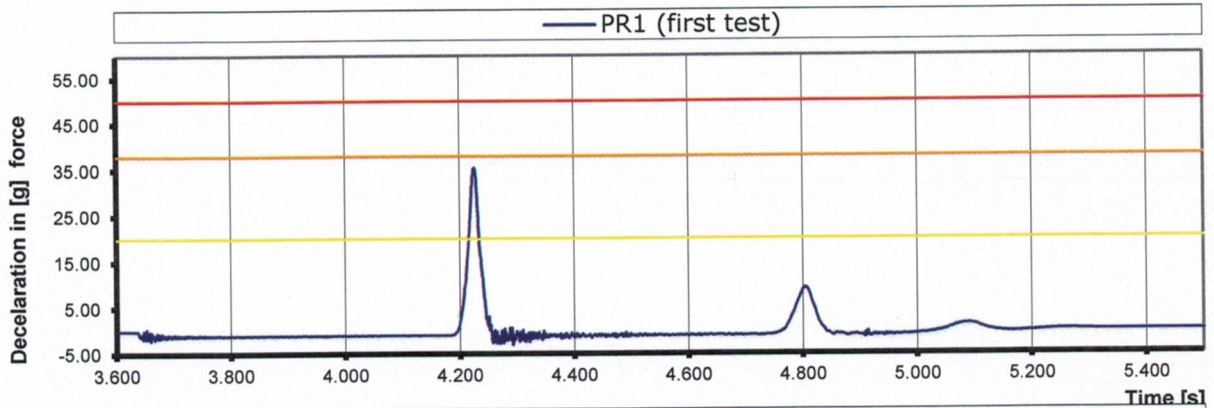
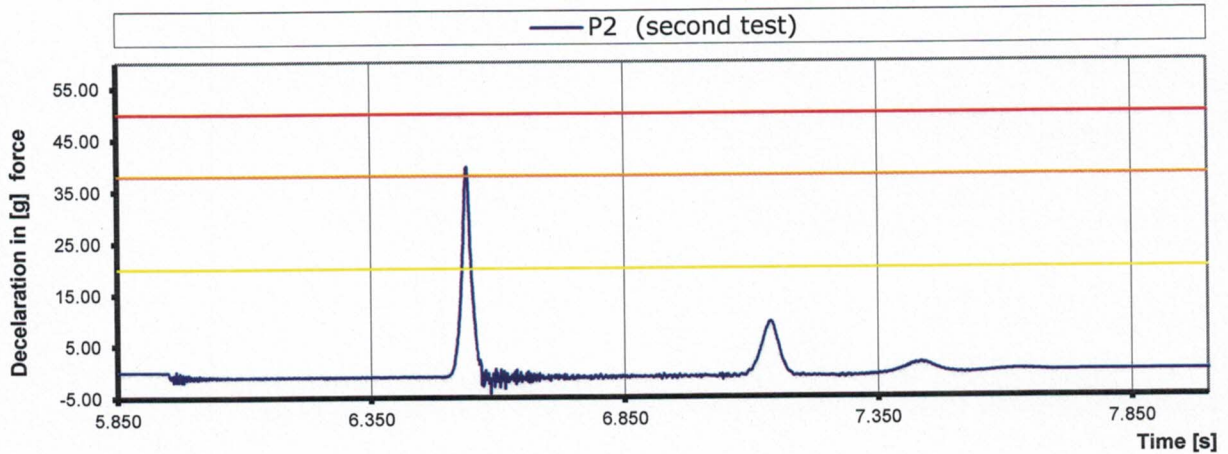
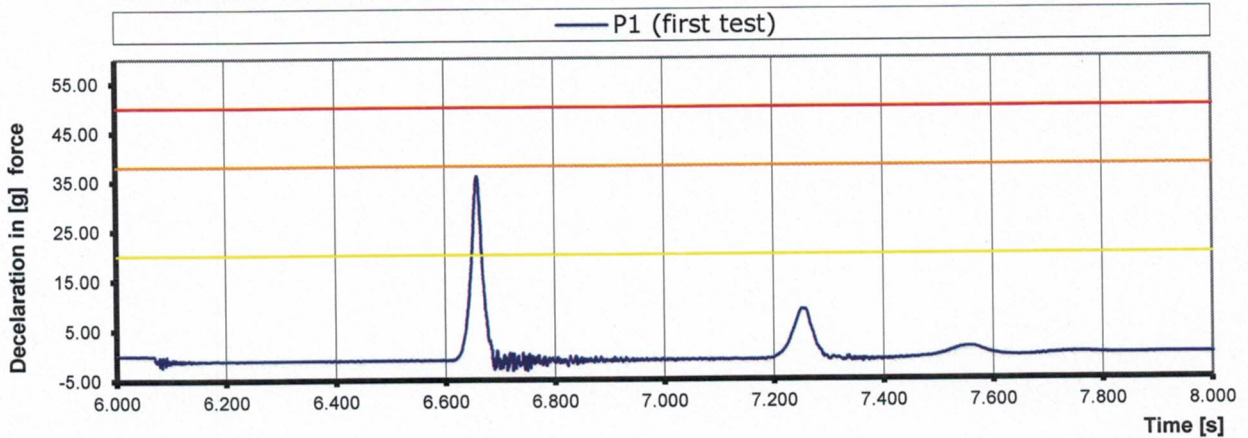
The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2

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