

IMPACT PAD SHOCK TEST

TEST REPORT PH IP

BP PARAGLIDER HARNESSES / BACK PROTECTORS

Inspection certificate ref. number: PH_IP_195.2017

MANUFACTURER DATA

Manufacturer name: Apco Aviation Ltd
 Contact person: Jonathan Cohn
 Street: 7, Chalamish St. Industrial park
 Post code / place: 3088900 Caesarea
 Country: Israel

SAMPLE DATA

Name: Swift
 Size: M
 Max load [kg]: 120
 Serial number: 11701
 Date of reception: 29.03.2017

ISSUE DATA

Place of inspection: Villeneuve
 Date of inspection: 29.03.2017
 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 [%] 37
 [hPa] 1029

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]	43.7	43.1	43.69
Impact duration at +38 [g] (if any): [ms]	5.44	6.28	6.28
Impact duration at +20 [g] (if any): [ms]	15.65	15.36	15.65
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	3.06	3.02	
Repeat testing / max peak comparison [%]	100	99	
Test Result:	POSITIVE	POSITIVE	
BP with rescue system (if applicable)	PR1 (first test)	PR2 (second test)	Max value
Absolute maximum impact [g]	35.3	38.6	38.58
Impact duration at +38 [g] (if any): [ms]	0.00	1.95	1.95
Impact duration at +20 [g] (if any): [ms]	15.95	16.35	16.35
Uncertainty k=2 [%]	7.00	7.00	
Uncertainty k=2 [g]	2.47	2.70	
Repeat testing / max peak comparison [%]	100	109.4	
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

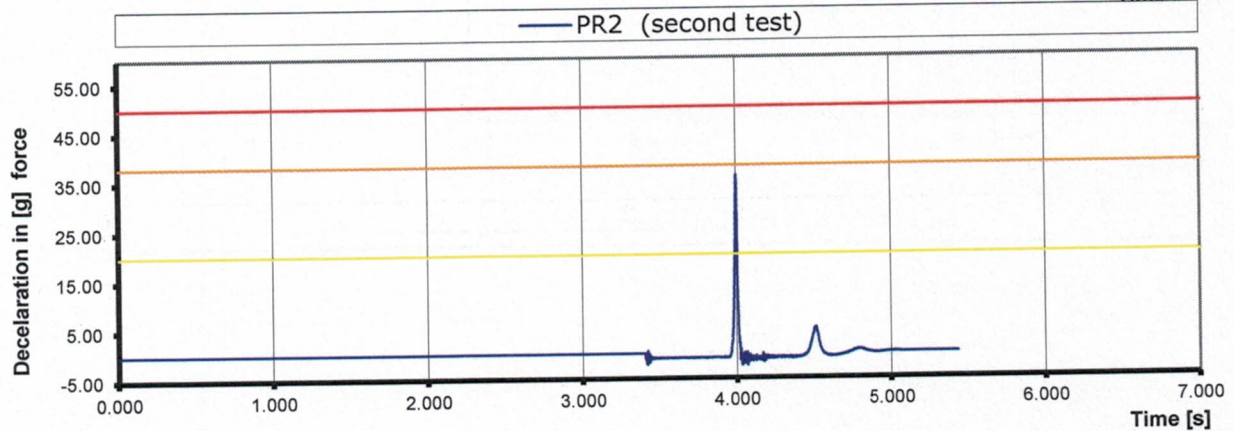
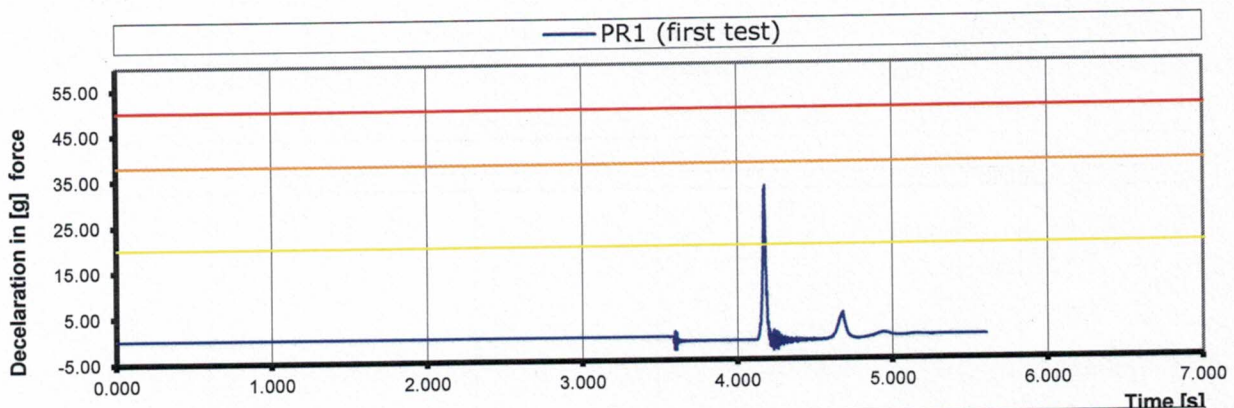
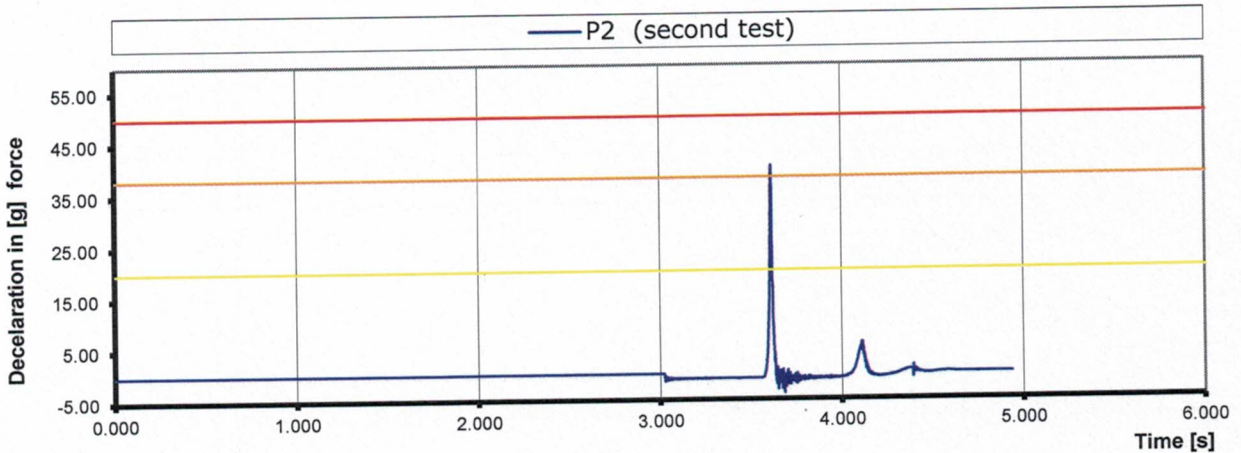
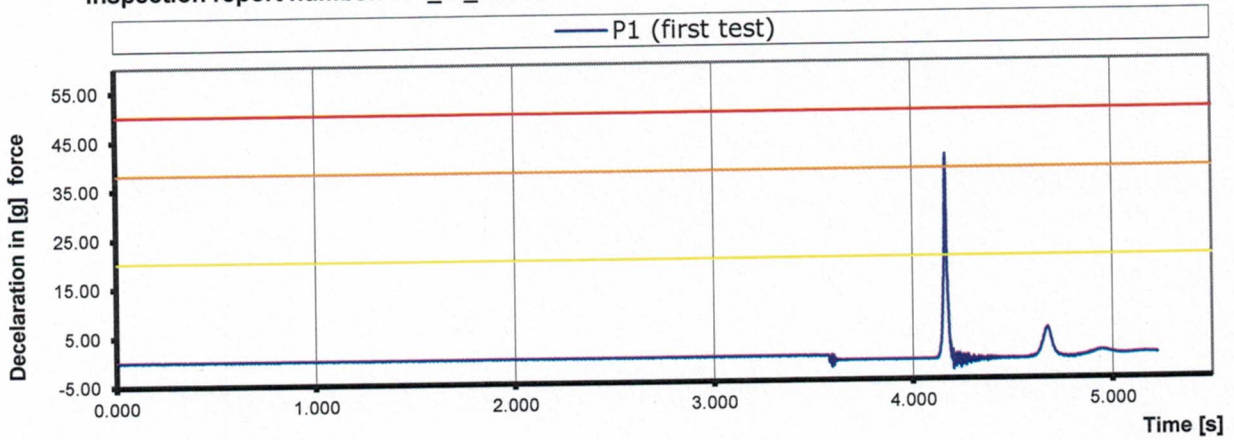
The validation of this test report is given by the signature of the test manager on Inspection Certificate 71.9.2

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