

Harness Impact Pad Report

Inspection certificate number: **PH_IP_219.2018**

Manufacturer data:

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

Sample data:

Harness model: **Watson**
 Impact pad intgr: **Yes**
 Impact pad type: **Airbag**
 Serial number: **n/a**
 Weight of sample **n/a**

Date of test: **23.06.2015**

Atmosphere AGL:

[C°]	22.3
RH [%]	53
[hPa]	1013.6

Summary of Impact pad test ⁽¹⁾

Test id	–	Test configuration ⁽²⁾	Max Peak of Impact [g] ⁽³⁾	Duration at 38 [g] in [ms] ⁽⁴⁾	Duration at 20 [g] in [ms] ⁽⁵⁾	Diff. of test 1 and 2 [%] ⁽⁶⁾	Result
P	V	Test sample attached to dummy in flying position, without emergency parachute	28.64	0.00	15.83	-6.38	POSITIVE
PR		Test sample attached to dummy in flying position, Include emergency parachute	0.00	0.00	0.00	0.00	n/a

Manufacture	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	04.08.2020
JDC elec	Geos n°11 Skywatch	Geos n°11	22	08.05.2019

The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20

⁽¹⁾ Calculated value in tests reports 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%.

⁽²⁾ The dummy is lifted minimum up to 1.65 m, and impact pad is mounted on. Where the impact occurs, measure distance from bottom of impact pad to ground.

⁽³⁾ Maximum peak of impact should be less or equal to 50 [g], ⁽⁴⁾ If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms], ⁽⁵⁾ If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms]. ⁽⁶⁾ The test should be done twice, and the 2nd test the maximum peak should not differ more than 20% from the first test, maximum peak.

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

Inspection certificate number: **PH_IP_219.2018**

model: **Watson**

Test results of Impact pad test

	without emergency parachute		include emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	28.64	26.81	0.00	0.00
Impact duration at +38 [g] in [ms]	0.00	0.00	0.00	0.00
Impact duration at +20 [g] in [ms]	15.83	15.83	0.00	0.00
Uncertainty k=2[g]	1.68	1.57	0.00	0.00
Difference of test 1 and 2 [%]	100.00	93.62	n/a	n/a

