AIR TURQUOISE SA | PARA-TEST.COM
Route du Pré-au-Comte 8 ▲ CH-1844 Villeneuve ▲ +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses
and paraglider reserve parachutes

paragliding by air turquoise

Harness Impact Pad Report

Inspection certificate number: **MISC_267.2023**

Manufacturer data:

Manufacturer name:	**AirDesign GmbH**
Representative:	**Stephan Stiegler**
Street:	**Rhomberstrasse 9, 4. Stock**
Post code place:	**A-6067 Absam**
Country:	**Austria**
Harness model:	**The BoxR**

Sample data:

Name impact pad:	**AirPillow Max**
Impact pad intgrated:	**No**
Impact pad type:	**Inflatable**
Weight of sample [kg]:	**0.31**
Serial number:	**#AN23045123-0**
Date of test:	**00.01.1900**

Atmosphere AGL:

Temp. [C°]	**23**
R.H. [%]	**47**
Press. [hPa]	**980**

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]	Result
P		Test sample attached to dummy in flying position, without emergency parachute	**31.23**	**0.00**	**21.67**	**POSITIVE**
PR		Test sample attached to dummy in flying position, Including emergency parachute	**32.55**	**0.00**	**23.33**	**POSITIVE**

Manufacturer	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	23.08.2028
JDC elec	Geos n°11 Skywatch	Geos n°11	Unit11	18.06.2025

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

Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

EN1651:2018+A1:2020 and NfL 2024-2-785

[1] Calculated values 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].

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Inspection certificate number: **MISC_267.2023** Name impact pad: **AirPillow Max**

Test results of Impact pad test

	without emergency parachute	including emergency parachute
	P1	PR1
Maximum peak of impact [g]	**31.23**	**32.55**
Impact duration at +38 [g] in [ms]	**0.00**	**0.00**
Impact duration at +20 [g] in [ms]	**21.67**	**23.33**
Uncertainty k=2 [g]	**1.31**	**1.36**



