

# Harness Impact Pad Report

Inspection certificate number: **MISC\_297.2025****Manufacturer data:**

Manufacturer name: **BogdanFly**  
Representative: **Voinov Bogdan Romanovich**  
Street: **Rua da Pedreira, 34.**  
Post code place: **Salir 8100-202 Faro region**  
Country: **Portugal**

Harness model: **BF\_Zepeline**

**Sample data:**

Name impact pad: **Inflatable protector**  
Impact pad integrated: **No**  
Impact pad type: **Inflatable**  
Weight of sample [kg]: **0.306**  
Serial number: **8012025**  
Date of test: **12.04.2025**

**Atmosphere AGL:**

Temp. [C°]	<b>21</b>
R.H. [%]	<b>33</b>
Press. [hPa]	<b>974</b>

**Summary of Impact pad test <sup>(1)</sup>**

Test id	—	Test configuration <sup>(2)</sup>	Max Peak of Impact [g] <sup>(3)</sup>	Duration at 38 [g] in [ms] <sup>(4)</sup>	Duration at 20 [g] in [ms] <sup>(5)</sup>	Result
P		Test sample attached to dummy in flying position, without emergency parachute	<b>40.99</b>	<b>2.50</b>	<b>23.33</b>	<b>POSITIVE</b>
PR		Test sample attached to dummy in flying position, Including emergency parachute	<b>32.96</b>	<b>0.00</b>	<b>24.17</b>	<b>POSITIVE</b>

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 NF1 2024-2-785**

<sup>(1)</sup> 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%

<sup>(2)</sup> 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

<sup>(3)</sup> Maximum peak of impact should be less or equal to 50 [g], <sup>(4)</sup> If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms], <sup>(5)</sup> If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms].

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Name impact pad: **Inflatable protector**

Test results of Impact pad test

	without emergency parachute	including emergency parachute
	P1	PR1
Maximum peak of impact [g]	40.99	32.96
Impact duration at +38 [g] in [ms]	2.50	0.00
Impact duration at +20 [g] in [ms]	23.33	24.17
Uncertainty k=2 [g]	1.72	1.38

