

Speed of opening, stability, descent rate

Inspection certificate number:

EP_371.2025

Test Report

Manufacturer data

Manufacturer name: **Ozone Gliders LTD**
 Representative: **Russell Ogden**
 Street: **16 Barnes Green**
 Post code / Place: **EH54 8PP Livingston**
 Country: **Scotland UK**

Sample data

Name:	Angel SQ	Size:	180
Steerable ⁽¹⁾ :	No	Maximum weight in flight ⁽²⁾ [kg]:	180
Weight ⁽³⁾ [kg]:	2.05	Volume packed [cm ³]:	7300
Serial number:	AN-SQ-PRO-Z-31D-095		

Test results ⁽⁴⁾

	Test no. 1	Test no. 2
Measured opening time [s]:	3.88	3.15
Unsteerable parachute and steerable parachute with locked controls (if applicable)		
Measured sink rate [m/s] (≤ 5.5):	5.38	5.28
Stability test:	Stable	Stable

Steerable parachute and steerable parachute with unlocked controls (if applicable)

Measured sink rate [m/s] (≤ 4.0):	n/a	n/a
Stability test:	n/a	n/a
Test of steerability:	n/a	n/a

Test data

	Test no. 1	Test no. 2
Place of test	Villeneuve	Villeneuve
Date of test	31.10.2024	15.11.2024
Atmosphere AGL		
[°C]	11	5
RH [%]	77	73
[hPa]	983	982
Wind [m/s]	0.2	0.2
Corrected mass with uncertainty (m_{corr}) [kg]:	177.9	180.6

If steerable with brake lock system

Place of test	n/a	n/a
Date of test	n/a	n/a
Atmosphere AGL		
[°C]	n/a	n/a
RH [%]	n/a	n/a
[hPa]	n/a	n/a
Wind [m/s]	n/a	n/a
Corrected mass with uncertainty (m_{corr}) [kg]:	n/a	n/a

Strength test - 40 m/s opening shock

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Sample data

Name: **Angel SQ** Size: **180**
Steerable **No** Maximum weight [kg]: **180**
Weight [kg] **2.05** Volume packed [cm³]: **7300**
Serial number: **AN-SQ-PRO-Z-31D-095**

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	St-Cierges	St-Cierges
Date of test	18.12.2024	18.12.2024
Maximum weight [kg]	180	180
Inspector:	Olivier Zoller	Olivier Zoller

Atmosphere AGL

[°C]	3	7
RH [%]	78	74
[hPa]	961	956
Wind [m/s]	1.5	2.1

Test results

	Test no. 1	Test no. 2
Strength test (40m/s shock)	POSITIVE	POSITIVE
Aircraft speed uncertainty K=2 [m/s] ⁽²⁾	2.9	2.9

Identification number: **MISC_017.2017****Ozone Gliders Angel SQ one size****Result summary**

Inner container strength test. Applied minimum 700 N for at least 10 seconds and at maximum strength.

Duration at the required strength: **21.0 [s]**The maximum strength before broken: **1201.0 [N]**Place of declaration **Villeneuve**Date of issue: **03.02.2017**Managing director **Alain Zoller**

Signature:



This signature approve the validity of the test report, and can be included in the inspection certificate 71.5.1

Air Turquoise SA has thoroughly tested the sample of riser/bridle mentioned above and certifies its conformity with the standards: **EN 12491 | 2001 chapter 5.3.2 and LTF 91/09 chapter 6.1.8**

Instrument	Validity	Manufacturer	Type no.	S/N
Load Cell (axial)	01.06.2021	Burster GmbH (DE)	8431-10000	1185483
Winch	11.01.2018	Arwin	300/600	N/A
Geos n° 11 Skywatch	08.05.2017	JDC elec.	Geos n° 11	22

⁽¹⁾ Inner container: container of the folded emergency parachute.⁽²⁾ Inner container (the connection between handgrip and inner container) is loaded at min 700 [N] over 10 secondes. The deployment system is loaded until breaking. Each component is tested.⁽³⁾ 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%.

Identification number: **MISC_042.2017****Ozone Gliders Angel SQ****Result summary**Maximum strength for riser, bridle **28434.9 [N]**

Place of declaration

Villeneuve

Date of issue:

20.06.2017**revision 1 : 02.09.2019**

Managing director

Randi Eriksen

Signature:



This signature approve the validity of the test report, and can be included in the inspection certificate 71.5.1

Air Turquoise SA has thoroughly tested the sample of emergency parachute mentioned above and certifies its conformity with the standards: LTF NFL II 9/09 chapter 6.1.4

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	14.10.2017	HBM	1-S9M/50KN-1	31314652
Geos n° 11 Skywatch	08.05.2017	JDC elec.	Geos n° 11	22

⁽¹⁾ Riser: lowest part of the parachute system, which is connected to harness. Bridle: connection between riser and harness, can also be a strap.⁽²⁾ The connecting strap has to have a minimum load capacity of 24000 [N]. The exposed part of the connecting belt has to be protected against environmental factors.⁽³⁾ 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%.