



Speed of opening, stability, descent rate

Inspection certificate number: **EP_357.2023**

Test Report

Manufacturer data

Manufacturer name: **Sky Paragliders a.s.**
 Representative: **Michal Sotek**
 Street: **Okruzni 39**
 Post code / Place: **73911 Frydlant n.O.**
 Country: **Czech Republic**

Sample data

Name: **Sky Quatro Light** Size: **225**
 Steerable ⁽¹⁾: **No** Maximum weight in flight ⁽²⁾ [kg]: **225**
 Weight ⁽³⁾ [kg]: **2.14** Volume packed [cm³]: **6000**
 Serial number: **2951-12-0596**

Test results ⁽⁴⁾

	Test no. 1	Test no. 2
Measured opening time [s]:	3.38	3.85

Unsteerable parachute and steerable parachute with locked controls (if applicable)

Measured sink rate [m/s] (≤ 5.5):	5.38	5.35
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	30.08.2023	15.02.2024
Atmosphere AGL		
[°C]	15	7
RH [%]	78	74
[hPa]	965	973
Wind [m/s]	0.1	0.3
Corrected mass with uncertainty (m_{corr}) [kg]:	215.0	222.1

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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 Representative: **Michal Sotek**
 Street: **Okruzni 39**
 Post code / Place: **73911 Frydlant n.O.**
 Country: **Czech Republic**

Sample data

Name: **Sky Quatro Light** Size: **225**
 Steerable **No** Maximum weight [kg]: **225**
 Weight [kg] **2.14** Volume packed [cm³]: **6000**
 Serial number: **2856-12-1700**

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	St-Cierges	St-Cierges
Date of test	24.11.2023	25.01.2024
Maximum weight [kg]	225	225
Inspector:	Nicolas Jacquod	Nicolas Jacquod

Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	2	6
RH [%]	77	75
[hPa]	922	935
Wind [m/s]	0.1	0.2

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_189.2021**

Sky Paragliders a.s. Sky Quatro Light 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: **13.4 [s]**

Maximum strength before broken: **792.7 [N]**

Place of declaration: **Villeneuve**
Date of issue: **21.06.2021**
Managing director: **Alain Zoller**

Signature:

This signature approves 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: 2015 chapter 5.3.2 and NF1 2-565-20 chapter 6.1.8

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor 10kN SL2	21.04.2026	Burster / MTS	8431-6010-N000S00	593507
Winch	check every 12 month	Arwin	300/600	N/A
Geos n° 11 Skywatch	18.06.2025	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 seconds. The deployment system is loaded until breaking. Each component is tested.

⁽³⁾ Calculated value includes 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 measured lies within the assigned range of values with a probability of 95%.



Identification number: **MISC_265.2023**

MCC Aviation SA Riser SK99 HR

Result summary

Maximum strength for riser, bridle: **34150.4 [N]**
Duration at the requested load: **6.6 [s]**

Place of declaration: **Villeneuve**
Date of issue: **10.01.2024**
Managing director: **Andrea Wigger**

Signature:

This signature approves the validity of the test report

Air Turquoise SA has thoroughly tested the sample of emergency parachute mentioned above and certifies its conformity with the standards: EN 1651:2018+A1:2020⁽¹⁾ and NFL 2-565-20 chapter 6.1.4

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	23.08.2028	HBM	1-S9M/50KN-1	31314652
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Geos n° 11	22

⁽¹⁾ Riser: lowest part of the the parachute system, which is connected to the harness. Bridle: connection between risers 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 includes 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 measured lies within the assigned range of values with a probability of 95%.

⁽⁴⁾ This standards is NOT covered by accreditation D-IS-19457-01