

Paraglider inspection certificate

Inspection certificate number: **PG_2420.2024**

Manufacturer data

Manufacturer name: **Sky Paragliders a.s.**
Representative: **Mr. Michal Sotek**
Street: **Okružní 39**
Post code / place: **73911 Frýdlant nad Ostravicí**
Country: **Czech Republic**

Sample data

Name:	Apollo 3	Size:	ML
Min weight in flight [kg]:	82	Max weight in flight [kg]:	105
Weight [kg]:	4.6	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number:	2952-11-0642	Date of reception:	15.05.2024

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	Test done on size XL, inspection PG_2442.2024		03.10.2023
91.23 Sustained loading test:	Test done on size XL, inspection PG_2442.2024		04.10.2023
91.22 Flight test:	B	Villeneuve	11.06.2024
91.24 Measurement:	POSITIVE	Villeneuve	19.08.2024
91.27 Suspension line calculation:	POSITIVE	Villeneuve	17.09.2024

Issue data

Place of declaration: **Villeneuve**
Date of issue: **30.10.2024**
Managing Director: **Andrea Wigger**
Signature:



This signature approves the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test reports are applicable).

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

EN926-2:2013+A1:2021¹, EN926-1:2015 and NF1 2-565-20

¹This standard is NOT covered by accreditation D-IS-19457-01

The certificate of inspection is completed with test reports, if available, number: 91.22, 91.23, 91.24, 91.25, 91.27
(If the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Classification: B

In accordance with standards:

EN926-1:2015, EN926-2:2013+A1:2021
and NfL 2-565-20

PG_2420.2024

Date of issue (DMY):

30.10.2024

Manufacturer:

Sky Paragliders a.s.

Model:

Apollo 3 ML

Serial number:

2952-11-0642

Configuration during flight tests

Paraglider

Maximum weight in flight [kg]	105
Minimum weight in flight [kg]	82
Glider's weight [kg]	4.6
Number of risers	3+1
Projected area [m ²]	22

Accessories

Range of speed system [cm]	15.7
Speed range using brakes [km/h]	12
Total speed range with accessories [km/h]	24
Range of trimmers [cm]	n/a

Harness used for testing (max weight)

Harness type	ABS
Harness brand	Woody Valley srl
Harness model	Wani Light 2 L
Harness to risers distance [cm]	43
Distance between risers [cm]	48

Inspections (whichever happens first)

once a year or after 100 flight hours, and anytime there is the slightest change in flight characteristics

Person or company having presented the glider for testing: **None**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
B A B A A A A B B A A B A A B A A A A 0

Paraglider inspection certificate

Inspection certificate number: **PG_2432.2024**

Manufacturer data

Manufacturer name: **Sky Paragliders a.s.**
Representative: **Mr. Michal Sotek**
Street: **Okružní 39**
Post code / place: **73911 Frýdlant nad Ostravicí**
Country: **Czech Republic**

Sample data

Name:	Apollo 3	Size:	L
Min weight in flight [kg]:	95	Max weight in flight [kg]:	119
Weight [kg]:	4.9	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number:	2955-11-0769	Date of reception:	18.06.2024

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	Test done on size XL, inspection PG_2442.2024		03.10.2023
91.23 Sustained loading test:	Test done on size XL, inspection PG_2442.2024		04.10.2023
91.22 Flight test:	B	Villeneuve	20.06.2024
91.24 Measurement:	POSITIVE	Villeneuve	19.08.2024
91.27 Suspension line calculation:	POSITIVE	Villeneuve	17.09.2024

Issue data

Place of declaration: **Villeneuve**
Date of issue: **30.10.2024**
Managing Director: **Andrea Wigger**
Signature:



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¹This standard is NOT covered by accreditation D-IS-19457-01

The certificate of inspection is completed with test reports, if available, number: 91.22, 91.23, 91.24, 91.25, 91.27
(If the 91.23 tests are not done, it has been done for another size of a sample within the definition of same model)

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Classification: B

In accordance with standards:
EN926-1:2015, EN926-2:2013+A1:2021
and NfL 2-565-20

PG_2432.2024

Date of issue (DMY):

30.10.2024

Manufacturer:

Sky Paragliders a.s.

Model:

Apollo 3 L

Serial number:

2955-11-0769

Configuration during flight tests

Paraglider

Maximum weight in flight [kg]	119
Minimum weight in flight [kg]	95
Glider's weight [kg]	4.9
Number of risers	3+1
Projected area [m ²]	23.8

Accessories

Range of speed system [cm]	15.7
Speed range using brakes [km/h]	12
Total speed range with accessories [km/h]	24
Range of trimmers [cm]	n/a

Harness used for testing (max weight)

Harness type	ABS
Harness brand	Woody Valley srl
Harness model	Wani Light 2 L
Harness to risers distance [cm]	43
Distance between risers [cm]	48

Inspections (whichever happens first)

once a year or after 100 flight hours, and anytime there is the slightest change in flight characteristics

Person or company having presented the glider for testing: **None**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
B A B A A A A B A A A B A A B A A A 0

Paraglider inspection certificate

Inspection certificate number: **PG_2437.2024**

Manufacturer data

Manufacturer name: **Sky Paragliders a.s.**
Representative: **Mr. Michal Sotek**
Street: **Okružní 39**
Post code / place: **73911 Frýdlant nad Ostravicí**
Country: **Czech Republic**

Sample data

Name:	Apollo 3	Size:	SM
Min weight in flight [kg]:	70	Max weight in flight [kg]:	92
Weight [kg]:	4.4	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number:	2955-11-0771	Date of reception:	10.07.2024

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	Test done on size XL, inspection PG_2442.2024		03.10.2023
91.23 Sustained loading test:	Test done on size XL, inspection PG_2442.2024		04.10.2023
91.22 Flight test:	B	Villeneuve	07.08.2024
91.24 Measurement:	POSITIVE	Villeneuve	19.08.2024
91.27 Suspension line calculation:	POSITIVE	Villeneuve	17.09.2024

Issue data

Place of declaration: **Villeneuve**
Date of issue: **30.10.2024**
Managing Director: **Andrea Wigger**
Signature:



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EN926-2:2013+A1:2021¹, EN926-1:2015 and NF1 2-565-20

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Classification: B

In accordance with standards:
EN926-1:2015, EN926-2:2013+A1:2021
and NfL 2-565-20

PG_2437.2024

Date of issue (DMY):

30.10.2024

Manufacturer:

Sky Paragliders a.s.

Model:

Apollo 3 SM

Serial number:

2955-11-0771

Configuration during flight tests

Paraglider

Maximum weight in flight [kg]	92
Minimum weight in flight [kg]	70
Glider's weight [kg]	4.4
Number of risers	3+1
Projected area [m ²]	20.27

Accessories

Range of speed system [cm]	14.7
Speed range using brakes [km/h]	12
Total speed range with accessories [km/h]	24
Range of trimmers [cm]	n/a

Harness used for testing (max weight)

Harness type	ABS
Harness brand	Advance Thun AG
Harness model	Success 4 M

Inspections (whichever happens first)

once a year or after 100 flight hours, and anytime there is the slightest change in flight characteristics

Harness to risers distance [cm]	43
Distance between risers [cm]	44

Person or company having presented the glider for testing: **None**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
B A B A A A A B B A A B A A B A A A A 0

Paraglider inspection certificate

Inspection certificate number: **PG_2442.2024**

Manufacturer data

Manufacturer name: **Sky Paragliders a.s.**
Representative: **Mr. Michal Sotek**
Street: **Okružní 39**
Post code / place: **73911 Frýdlant nad Ostravicí**
Country: **Czech Republic**

Sample data

Name:	Apollo 3	Size:	XL
Min weight in flight [kg]:	108	Max weight in flight [kg]:	133
Weight [kg]:	5.3	Number of seat:	Single-seater
Sample load serial number:	2859-11-1179	Date of reception:	28.09.2023
Sample flight serial number:	2955-11-0767	Date of reception:	19.08.2024

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	POSITIVE	Noville	03.10.2023
91.23 Sustained loading test:	POSITIVE	Yverdon (Airport)	04.10.2023
91.22 Flight test:	B	Villeneuve	03.09.2024
91.24 Measurement:	POSITIVE	Villeneuve	23.09.2024
91.27 Suspension line calculation:	POSITIVE	Villeneuve	17.09.2024

Issue data

Place of declaration: **Villeneuve**
Date of issue: **30.10.2024**
Managing Director: **Andrea Wigger**
Signature:



This signature approves the validity of the test reports 91.22, 91.23, 91.24 and 91.27 (Only if test reports are applicable).

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¹This standard is NOT covered by accreditation D-IS-19457-01

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Classification: B

In accordance with standards:
EN926-1:2015, EN926-2:2013+A1:2021
and NfL 2-565-20

PG_2442.2024

Date of issue (DMY):

30.10.2024

Manufacturer:

Sky Paragliders a.s.

Model:

Apollo 3 XL

Serial number:

2955-11-0767

Configuration during flight tests

Paraglider

Maximum weight in flight [kg]	133
Minimum weight in flight [kg]	108
Glider's weight [kg]	5.3
Number of risers	3+1
Projected area [m ²]	25.89

Accessories

Range of speed system [cm]	15.7
Speed range using brakes [km/h]	12
Total speed range with accessories [km/h]	24
Range of trimmers [cm]	n/a

Harness used for testing (max weight)

Harness type	ABS
Harness brand	Niviuk
Harness model	Makan L
Harness to risers distance [cm]	41
Distance between risers [cm]	48

Inspections (whichever happens first)

once a year or after 100 flight hours, and anytime there is the slightest change in flight characteristics
Person or company having presented the glider for testing: **None**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
B A B A A A A B A A A B A A B A A A 0

Paragliders shock and sustained loading test

Inspection certificate number: **PG_2442.2024****Test Report**

Manufacturer data

Manufacturer name: **Sky Paragliders a.s.**
 Representative: **Mr. Michal Sotek**
 Street: **Okruzni 39**
 Post code / place: **73911 Frydlant nad Ostravici**
 Country: **Czech Republic**

Sample data

Name: **Apollo 3**
 Size: **XL**
 Maximum weight in flight [kg]: **133**
 Serial number: **2859-11-1179**
 Date of reception: **28.09.2023**

Test data

Test Atmosphere AGL

Place of test: **Yverdon (airport)** **13** [°C]
 Date of test: **04.10.2023** **76** RH [%]
 Inspector: **Claude Thurnheer** **970** [hPA]
0.2 Wind [m/s]

Shock loading test result ⁽¹⁾

Weak link used [daN]: **1000**
 Visual inspection: **No visible damage** Results: **POSITIVE**

Weak link



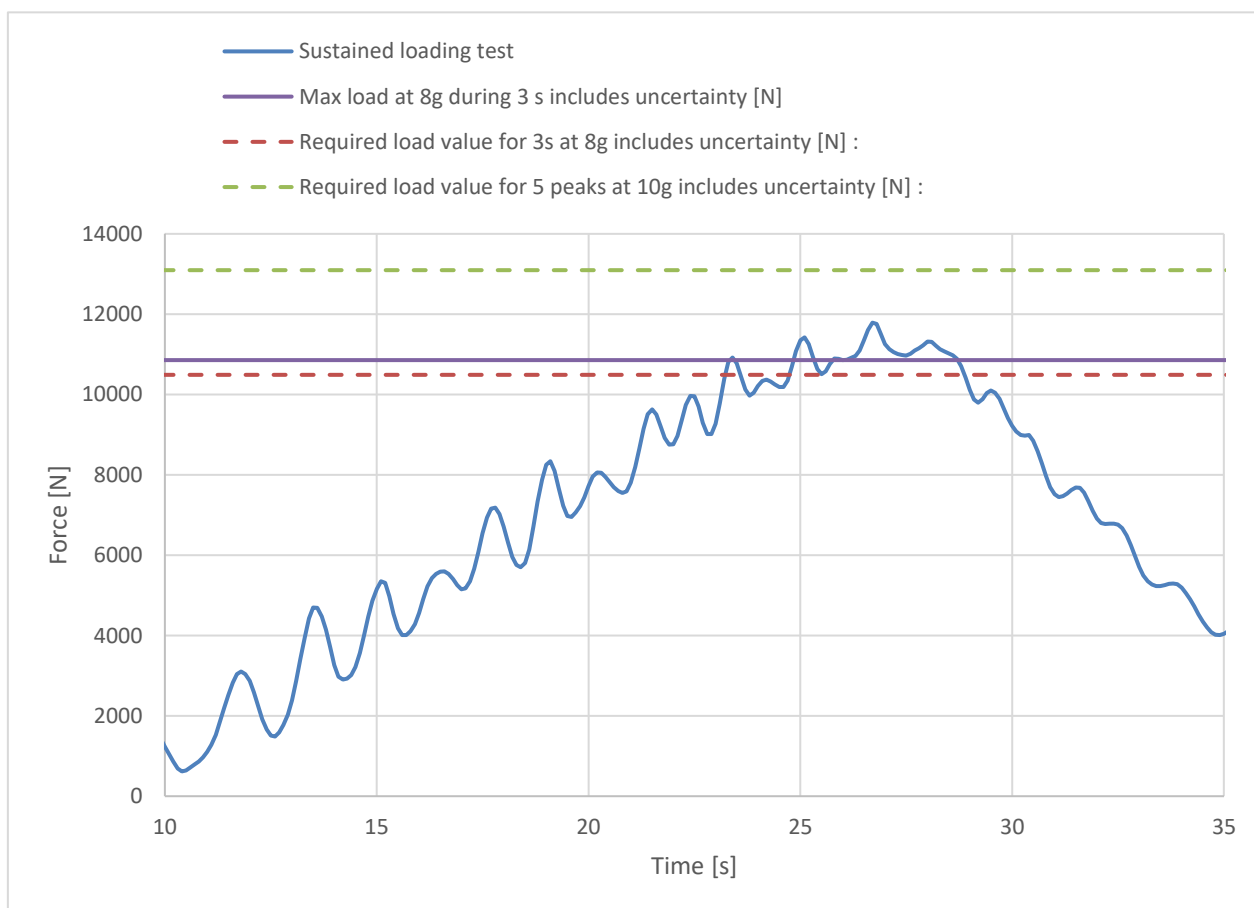
Instruments	Validity	Manufacturer	s/n
Weak link	continously	Tost	n/a
Ultrawire DSK99	29.10.2023	Gottifredi	n/a
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Unit11

Inspection certificate number: **PG_2442.2024**

Detailed sustained loading test results

Cumulative duration at max load [s]:	3.5
Max calculated load value for a duration of 3 sec. [N]:	1356.59
Max calculated load value for a duration of 3 sec. [kg]:	138.29
Max calculated load value with five peaks [N]:	n/a
Max calculated load value with five peaks [kg]:	n/a
Max calculated load value with 3 sec or five peaks [N]:	1356.59
Max calculated load value with 3 sec or five peaks [kg]:	138.29

Sustained loading test diagram



Sustained loading test results ⁽³⁾

Result:	POSITIVE
Calculated max load value with 3 sec or five peaks [kg]:	138.29



Inspection certificate number: **PG_2442.2024**

Instruments	Manufacturer	Validity	S/N
Load sensor	HBM	23.08.2028	31314652
Geos n°11 Skywatch	JDC	18.06.2025	Unit11

The validation of this test report is given by the signature of the test manager on inspection certificate 91.20

Air Turquoise SA has thoroughly tested the sample of paraglider mentioned above and certifies its conformity with the standards **EN 926-1:2015 | NFL 2-565-20**

(1) The paraglider is subjected to a shock load. Shock load is limited using a weak link according to the weight range of the glider. The weak link breaks or 5 s has elapsed since the start of the shock load. The wing is then visually inspected for damage.

(2) The weak link value includes the uncertainty for the weight range test values / The uncertainty state 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%.

(3) The test specimen (sample) is attached to the electronic sensors on the tow vehicle.

A controller is positioned on the tow vehicle in order to operate the paraglider control lines to stabilize the wing.

The speed of the vehicle is increased as gradually as possible, enabling the controller to obtain satisfactory stabilisation of the flight path of the paraglider.

When the paraglider has stabilized, the speed is increased gradually until either:

- a) the measured load exceeds a load factor of eight times the maximum total weight in flight recommended by the manufacturer, for a minimum cumulative duration of 3 s; or
- b) five peaks separated by at least 0,3 s are obtained above ten times the maximum total weight in flight recommended by the manufacturer, in one run.

(4) The calculated value include the value minus the uncertainty / 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%.