

Paragliders shock and sustained loading test

Inspection certificate number: PG_2310.2023

Test Report

Manufacturer data

Manufacturer name: Level Wings
Representative: François Bon
Street: Unit 907-910, 118
Post code / place: Connaught Road West
Country: Hong Kong

Sample data

Name: Flex
Size: 28
Maximum weight in flight [kg]: 115
Serial number: Violet/Pink
Date of reception: 05.12.2023

Test data

Test Atmosphere AGL

Place of test: Sion(airport) 1 [°C]
Date of test: 08.01.2024 77 RH [%]
Inspector: Nicolas Jacquod 955 [hPA]
0.1 Wind [m/s]

Shock loading test result ⁽¹⁾

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

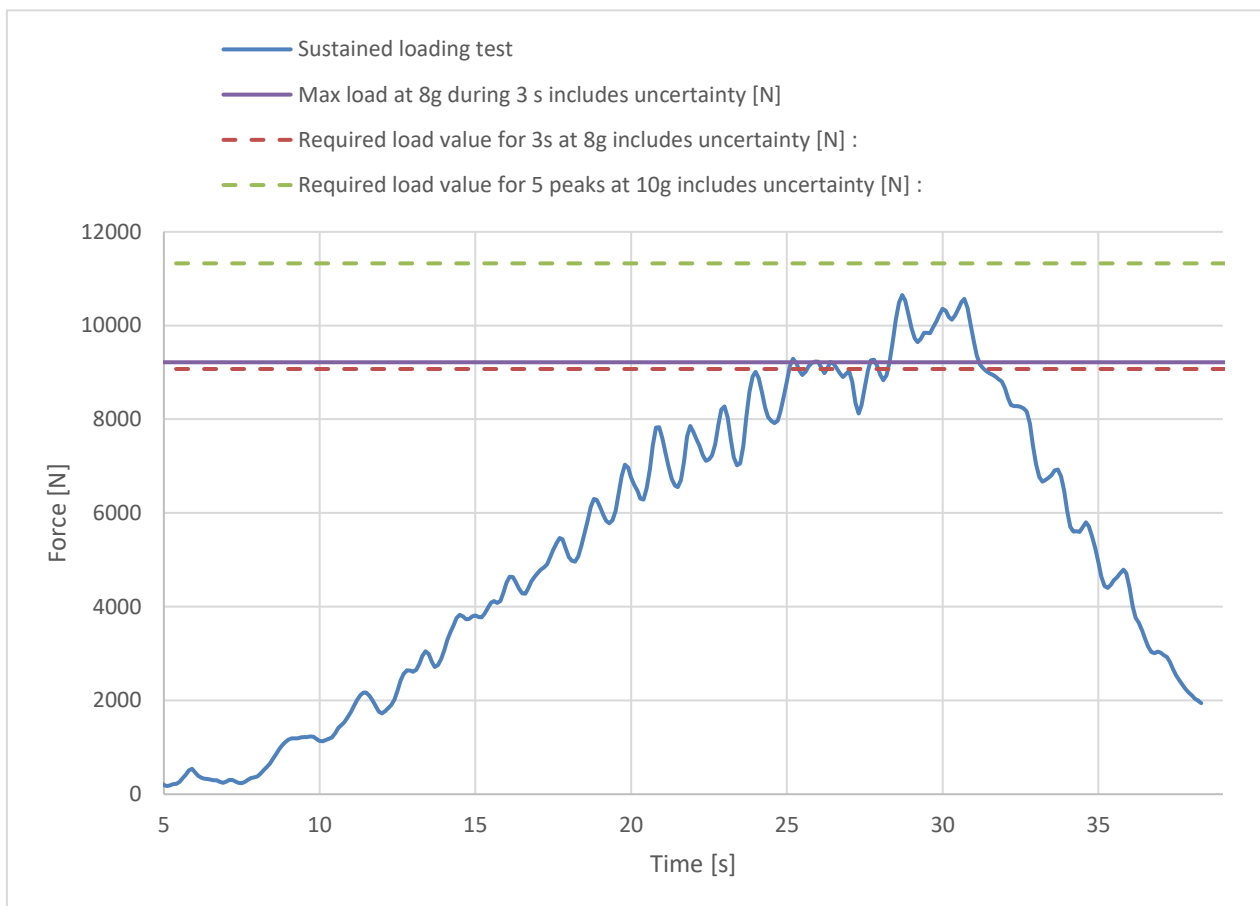
Weak link



Instruments	Validity	Manufacturer	s/n
Weak link	continuously	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_2310.2023****Detailed sustained loading test results**

Cumulative duration at max load [s]:	3.5
Max calculated load value for a duration of 3 sec. [N]:	1151.94
Max calculated load value for a duration of 3 sec. [kg]:	117.43
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]:	1151.94
Max calculated load value with 3 sec or five peaks [kg]:	117.43

Sustained loading test diagram**Sustained loading test results ⁽³⁾**

Result:	POSITIVE
Calculated max load value with 3 sec or five peaks [kg]:	117.43

Inspection certificate number: **PG_2310.2023**

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%.

Paraglider inspection certificate

Inspection certificate number: **PG_2308.2023**

Manufacturer data

Manufacturer name: **Level Wings**
Representative: **Francois Bon**
Street: **Unit 907-910, 118**
Post code / place: **Connaught Road West**
Country: **Hong Kong**

Sample data

Name:	Flex	Size:	24
Min weight in flight [kg]:	55	Max weight in flight [kg]:	80
Weight [kg]:	4.4	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number:	Mustard/blue	Date of reception:	05.12.2023

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	Test done on size 28, inspection PG_2310.2023		04.01.2024
91.23 Sustained loading test:	Test done on size 28, inspection PG_2310.2023		08.01.2024
91.22 Flight test:	A	Villeneuve	13.03.2024
91.24 Measurement:	POSITIVE	Villeneuve	22.01.2024
91.27 Suspension line calculation:	POSITIVE	Villeneuve	13.12.2023

Issue data

Place of declaration: **Villeneuve**
Date of issue: **24.04.2024**
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 NF L 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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Paraglider inspection certificate

Inspection certificate number: **PG_2309.2023**

Manufacturer data

Manufacturer name: **Level Wings**
Representative: **Francois Bon**
Street: **Unit 907-910, 118**
Post code / place: **Connaught Road West**
Country: **Hong Kong**

Sample data

Name:	Flex	Size:	26
Min weight in flight [kg]:	70	Max weight in flight [kg]:	95
Weight [kg]:	4.6	Number of seat:	Single-seater
Sample load serial number:	n/a	Date of reception:	n/a
Sample flight serial number:	Blue/orange	Date of reception:	05.12.2023

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	Test done on size 28, inspection PG_2310.2023		04.01.2024
91.23 Sustained loading test:	Test done on size 28, inspection PG_2310.2023		08.01.2024
91.22 Flight test:	A	Villeneuve	09.01.2024
91.24 Measurement:	POSITIVE	Villeneuve	18.01.2024
91.27 Suspension line calculation:	POSITIVE	Villeneuve	13.12.2023

Issue data

Place of declaration: **Villeneuve**
Date of issue: **24.04.2024**
Managing Director: **Andrea Wigger**
Signature:



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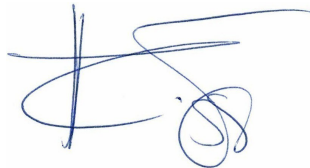
Sample data

Name:	Flex	Size:	28
Min weight in flight [kg]:	85	Max weight in flight [kg]:	115
Weight [kg]:	4.9	Number of seat:	Single-seater
Sample load serial number:	Violet/Pink	Date of reception:	05.12.2023
Sample flight serial number:	Violet/Pink	Date of reception:	18.12.2023

Test report summary	Result	Place	Date of test
91.23 Shock loading test:	POSITIVE	Noville	04.01.2024
91.23 Sustained loading test:	POSITIVE	Sion (Airport)	08.01.2024
91.22 Flight test:	A	Villeneuve	10.01.2024
91.24 Measurement:	POSITIVE	Villeneuve	22.02.2024
91.27 Suspension line calculation:	POSITIVE	Villeneuve	13.12.2023

Issue data

Place of declaration: **Villeneuve**
Date of issue: **24.04.2024**
Managing Director: **Andrea Wigger**
Signature:



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