Route du Pré-au-Comte 8 🔺 CH-1844 Villeneuve 🔺 +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Speed of opening, stability, descent rate

Inspection certificate number:	EP_356.2023	Test Report
--------------------------------	-------------	-------------

Inspection certificate number:		EP_356.2023		Test Report
Manufacturer data				
Manufacturer name:		BogdanFly		
Representative:		Voinov Bogdan Romanovich		
Street:		Rua da Pedreira, 34.		
Post code / Place:		Salir 8100-202 Faro region		
Country:		Portugal		
Sample data				
Name:		BFreserve	Size:	29
Steerable (1):		No	Maximum weight in flight (2) [kg]:	110
Weight (3) [kg]:		1.20	Volume packed [cm³]:	3700
Serial number:		13M0523		
Test results (4)		Test no. 1	Test no. 2	
Measured opening time [s]:		3.11	2.95	
Unsteerable parachute and s	teerable parac	chute with locked controls (if a	applicable)	
Measured sink rate [m/s] (≤ 5.5):		5.13	5.31	
Stability test:		Stable	Stable	
Otaanahla manaahuta and ata		to with an look of controls (it s		
Measured sink rate [m/s] (≤ 4.0):	erable parachu	ite with unlocked controls (if a		
		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		20.03.2023	29.03.2023	
Atmosphere AGL	[°C]	9	10	
	RH [%]	78	76	
	[hPa]	977	978	
Wind [m/s]		0.1	0.1	
Corrected mass with uncertainty (m _{corr}) [ka]:	109.1	108.0	
	00117 1 31			
If steerable with brake lock s				
If steerable with brake lock s		n/a	n/a	
			n/a n/a	
Place of test Date of test		n/a		
Place of test	ystem	n/a n/a n/a	n/a	

n/a

n/a

Wind [m/s] n/a

n/a

Corrected mass with uncertainty (m_{corr}) [kg]:

Route du Pré-au-Comte 8 🔺 CH-1844 Villeneuve 🔺 +41 (0)2) 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Strength test - 40 m/s opening shock

Inspection certificate number: EP_356.2023 Test Report

Manufacturer data

Manufacturer name: BogdanFly

Representative: Voinov Bogdan Romanovich

Street: Rua da Pedreira, 34.

Post code / Place: Salir 8100-202 Faro region

Country: Portugal

Sample data

Name: BFreserve Size: 29

SteerableNoMaximum weight [kg]:110Weight [kg]1.2Volume packed [cm³]:3700

Serial number: 018-09-L-2023

Test data ⁽¹⁾ Test no. 1 Test no. 2

 Place of test
 St-Cierges
 St-Cierges

 Date of test
 24.11.2023
 24.11.2023

 Maximum weight [kg]
 110
 110

Inspector: Nicolas Jacquod Nicolas Jacquod

Atmosphere AGL

 [°C]
 2
 6

 RH [%]
 77
 79

 [hPa]
 922
 918

 Wind [m/s]
 0.1
 0.5

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

Route du Pré-au-Comte 8 * CH-1844 Villeneuve * +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Identification number:

MISC 232.2022

BogdanFly BFreserve M

Result summary

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

Duration at the required strength:

12.8 [s]

Maximum strength before broken:

1268.5 [N]

Place of declaration:

Date of issue:

Managing director:

Villeneuve 03.11.2022 Andrea Wigger

Signature:

	V-11-114 .	Manufacturer	Type no.	S/N
Instrument	Validity			
Load sensor 10kN SL2	21.04.2026	Burster / MTS	8431-6010-N000S000	593507
Winch	check every 12 month	Arwin	300/600	N/A
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Geos n° 11	22

This signature approves the validity of the test report

Air Turquoise SA has thoroughly tested the sample of riser/bridle mentioned above and certifies its conformity with the following standards:

EN 12491:2015+A1:2021⁽⁴⁾ chapter 5.3.2 and NfL 2-565-20 chapter 6.1.8

⁽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%.

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

The declaration must not be reproduced in part without the written permission of Air Turquoise SA

Route du Pré-au-Comte 8 * CH-1844 Villeneuve * +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Identification number:

MISC 233.2022

BogdanFly BFreserve

Result summary

Maximum strength for riser, bridle: Duration at the requested load:

26783.1 [N]

2.2 [s]

Place of declaration: Date of issue: Managing director Villeneuve 03.11.2022 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⁽⁴⁾ and NfL 2-565-20 chapter 6.1.4

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	04.09.2023	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