



Speed of opening, stability, descent rate

Inspection certificate number: **EP_280.2019**

Test Report

Manufacturer data

Manufacturer name: **High Adventure**
 Representative: **Urs Haari**
 Street: **Wiesenbergstrasse 10**
 Post code / Place: **6383 Dallenwil**
 Country: **Switzerland**

Sample data

Name:	Beamer 3 170	Size:	170
Steerable ⁽¹⁾	Yes	Maximum weight in flight ⁽²⁾ [kg]:	170
Weight ⁽³⁾ [kg]	2.72	volume packed [cm ³]:	8250
Serial number:	500307		

Test data ⁽⁴⁾

	Test no. 1	Test no. 2
Place of test	Villeneuve	Villeneuve
Date of test	21.08.2019	04.09.2019
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

	16.4	20.9
[°C]		
RH [%]	78	68
[hPa]	980.9	982.6
Wind [m/s]	0.3	0.1

Summary of both results ⁽⁵⁾

	EN	LTF
Time of opening test [s]:	2.95	2.95
Calculated descent rate test [m/s]:	3.61	3.61
Stability test:	POSITIVE	POSITIVE
Behaviour during descent test:	Stable	Stable
Glider ratio:	POSITIVE	

If steerable:

Any flight procedure and/or configuration described in the user's manual	POSITIVE	POSITIVE
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Strength test - 40 m/s opening shock

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 Country: **Switzerland**

Sample data

Name: **Beamer 3 170** Size: **170**
 Steerable **Yes** Maximum weight [kg]: **170**
 Weight [kg] **2.72** volume packed [cm³]: **8250**
 Serial number: **500280**

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	Muraz	Muraz
Date of test	15.11.2018	14.12.2018
Corrected mass [kg]	169.17	169.49
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	8.7	2
RH [%]	75	55
[hPa]	981	959.5
Wind [m/s]	0.2	0.1

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

Item / type no.	Validity	Manufacturer	S/N
Weight	2020	Air Turquoise SA	N/A
Geos n° 11	08.05.2020	JDC elec.	22
Weak link	2020	Tost	N/A

Identification number: **MISC_150.2020**

High Adventure Beamer 3 170

Result summary

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

Duration at the required strength: **13.3 [s]**

The maximum strength before broken: **755.3 [N]**

Place of declaration **Villeneuve**
 Date of issue: **04.12.2019**
 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: 2015 chapter 5.3.2 and LTF NfL 91/09 chapter 6.1.8**

Instrument	Validity	Manufacturer	Type no.	S/N
Load Cell (axial)	04/09/2023	Burster GmbH (DE)	8431-10000	1185483
Winch	check every 12 month	Arwin	300/600	N/A
Geos n° 11 Skywatch	08/05/2020	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 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 measured lies within the assigned range of values with a probability of 95%.