



Speed of opening, stability, descent rate

Inspection certificate number: **EP_227.2018**

Test Report

Manufacturer data

Manufacturer name: **Mac Para Technology**
 Representative: **Peter Recek**
 Street: **Televizni 2615 - Tesla area**
 Post code / Place: **756 61 Roznov pod Radhostem**
 Country: **Czech Republic**

Sample data

Name:	Houston	Size:	160
Steerable	Yes	Maximum weight in flight ⁽¹⁾ [kg]:	160
Weight ⁽²⁾ [kg]	1.778	volume packed [cm ³]:	5300
Serial number:	DC160-002		

Test data ⁽³⁾

	Test no. 1	Test no. 2
Place of test	Villeneuve	Villeneuve
Date of test	14.12.2017	07.02.2017
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	3	5
RH [%]	78	78
[hPa]	973	972.9
Wind [m/s]	0.1	0.2

Summary of both results ⁽⁴⁾

	EN	LTF
Time of opening test [s]:	4.83	4.83
Calculated descent rate test [m/s]:	5.20	5.20
Stability test:	POSITIVE	POSITIVE
Behaviour during descent test:	Stable	Stable

Strength test - 40 m/s opening shock

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Sample data

Name: **Houston** Size: **160**
 Steerable: **Yes** Maximum weight [kg]: **160**
 Weight [kg]: **1.778** volume packed [cm³]: **5300**
 Serial number: **DC160-001**

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	Illarsaz	Illarsaz
Date of test	08.12.2016	08.12.2016
Corrected mass [kg]	164.85	164.85
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	2	2
RH [%]	67	67
[hPa]	991.4	991.4
Wind [m/s]	0.2	0.2

Test results

	Test no. 1	Test no. 2
Speed of opening (maximum 5 s)	POSITIVE	POSITIVE
Strength test (40m/s shock)	POSITIVE	POSITIVE
Aircraft speed uncertainty K=2 [m/s] ⁽²⁾	1.7	1.7

Item / type no.	Validity	Manufacturer	S/N
Weight	2020	Air Turquoise SA	N/A
Geos n° 11	08.05.2017	JDC elec.	22
Weak link	2020	Tost	N/A

Additional test for steerable parachutes

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 Country: **Czech Republic**

Sample data

Name:	Houston	Size:	160
Steerable	Yes	Maximum weight in flight ⁽¹⁾ [kg]:	160
Weight ⁽²⁾ [kg]	1.778	volume packed [cm ³]:	5300
Serial number:	DC160-002		

Test data ⁽³⁾

	Test no. 1	Test no. 2
Place of test	Villeneuve	Villeneuve
Date of test	14.12.2017	07.02.2017
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

[°C]	3	5
RH [%]	78	78
[hPa]	973	972.9
Wind [m/s]	0.1	0.2

Test results

- | | |
|---|-----------------|
| a The emergency parachute is deployed from a paraglider in normal straight flight. | POSITIVE |
| b The pilot shall take no action while the behaviour of the parachute and paraglider are observed 200 metres. | POSITIVE |
| c The pilot take action while the behaviour of the parachute and paraglider are observed 200 metres. | POSITIVE |
| d Any flight procedure and/or configuration described in the user's manual | POSITIVE |

The validation of this test report is given by the signature of the test manager on inspection certificate 71.5.1

Air Turquoise SA has thoroughly tested the sample of emergency parachute mentioned above and certifies its conformity with the standards: **EN 12491:2001 chapter 5.3.6 - LTF NFL II 9/09 chapter 6**

(1) Total weight in flight exclude weight of paraglider, also called payload - (2) Weight of the emergency parachute

⁽³⁾ Check whether every other flight procedure and/or configuration described in the user's manual can be flown safely. This can be done during the opening, stability and descent rate test is done