

Flight and Load test report - EN 12491:2001

Manufacturer Bruce Goldsmith Design GmbH

Address

Hügelweg, 12 9400 Wolfsberg

Austria

Certification number:

EP 117.2015

Type/model:

Total weight in flight:

Oops 90

86 kg

Description of tests	place:	date:	result:
Deployment system strength test			
A load of 700 N between each components	Villeneuve	29.11.2010	OK
2. Speed of opening test - ref. A (2 times)			
Time from the instant of free drop until a load	Villeneuve		
of 200 N is sustained	Vincilicave	Vivol eere	- F
Opening time			< 5 seconds
Opening time		13.09.2010	< 5 seconds
3. Descent rate and stability test - ref. A and B (2 times)			
The paraglider is released as the parachute	Villeneuve		
begins to open, minimum 100 m descent.	3 111 2 11 2 11 1 2		
Stability 1		11.09.2009	
Sink rate 1		11.09.2009	
Stability 2		13.09.2010	1
Sink rate 2		13.09.2010	5.24 m/sec
4. Strength test 40 m/s opening shock (2 times)			
The drop test device is accelerated to a			
straight line velocity of 40 m/s and the	we see see see see		
parachute deployment handle activated using	Illarsaz		
a static line attached to a drogue chute. Speed			
of opening is less than 5 seconds	1	07.04.0040	014
Test 1		07.04.2010	
Test 2		17.06.2010	ОК
5. Interaction and stability test (piloted) - ref. C			
a the emergency parachute is deployed from a			not available
paraglider in normal straight flight.			not available
b the pilot shall take no action while the			
behaviour of the parachute and paraglider are			net eveileble
observed 200 metres.	1		not available
c the pilot take action while the behaviour of the			
parachute and paraglider are observed 200			net eveileble
metres.			not available

The model described is in conformity with the flight and load tests carried out by Air Turquoise SA.



Air Turquoise SA

Route du Pré-au-Comte 8 Case postale 10 CH- 1844 Villeneuve email: info@para-test.com For Air Turquoise SA

Alain Zoller



homepage: www.para-test.com



Weather data, ref. 3 and B

Date / place	hPa	wind	temp	humidity
Villeneuve, September 11, 2009	978.2	0 km/h	16°	63.4%
Corrected mass:	82.74 kg			
Villeneuve, September 13, 2010				
Corrected mass:	980 hPa	2 km/h	16°	54.0%
	82.89 kg			•

Reference

A. At horizontal airspeed 8 m/s and vertical speed 1.5 m/s

B. Formula to be used for correcting the test mass ofr differences from ICAO standard atmosphere

$$m_{corr} := m_{dec} \cdot \frac{p \cdot T_0}{p_0 \cdot T}$$

Ground level atmospheric pressure at the test location: (p)

ICAO standard atmospheric pressure at MSL: (po) Ground level température at the test location: (T)

ICAO standard temperature at MSL: (To)

Total weight in flight: (mdec) Corrected mass: (mcorr)

C. Only parachute with controls for steering and landing flare



Air Turquoise SA

Route du Pré-au-Comte 8 Case postale 10 CH - 1844 Villeneuve Switzerland

mobile: +41 79 202 52 30 Tel. no: +41 21 965 65 65 fax: +41 219 65 65 68 email: info@para-test.com homepage: www.para-test.com



