



Speed of opening, stability, descent rate

Inspection certificate number: **EP_293.2020**

Test Report

Manufacturer data

Manufacturer name: **Gravity GmbH**

Street: **Hütte 45**

Post code / Place: **6345 Kössen**

Country: **Austria**

Sample data

Name:	XFusion	Size:	115
Steerable ⁽¹⁾	No	Maximum weight in flight ⁽²⁾ [kg]:	115
Weight ⁽³⁾ [kg]	1.23	volume packed [cm ³]:	4260
Serial number:	115-11C-1000		

Test data ⁽⁴⁾

	Test no. 1	Test no. 2
Place of test	Villeneuve	Villeneuve
Date of test	22.06.2016	06.07.2016
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

[°C]	25	25
RH [%]	76	66
[hPa]	979.2	975.3
Wind [m/s]	0.1	0.1

Summary of both results ⁽⁵⁾

	EN	LTF
Time of opening test [s]:	3.71	3.71
Calculated descent rate test [m/s]:	5.47	5.47
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	N/A	N/A
--	------------	------------

Strength test - 40 m/s opening shock

Inspection certificate number: **EP_293.2020**

Test Report

Manufacturer data

Manufacturer name: **Gravity GmbH**

Street: **Hütte 45**

Post code / Place: **6345 Kössen**

Country: **Austria**

Sample data

Name:	XFusion	Size:	115
Steerable	No	Maximum weight [kg]:	115
Weight [kg]	1.23	volume packed [cm ³]:	4260
Serial number:	115-11C-1001		

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	Illarsaz	Illarsaz
Date of test	19.06.2016	19.06.2016
Corrected mass [kg]	109.00	106.95
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

[°C]	21	25.8
RH [%]	62	57
[hPa]	972.3	969.4
Wind [m/s]	0.2	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⁾	1.7	1.7

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