



Speed of opening, stability, descent rate

Inspection certificate number: **EP_303.2020**

Test Report

Manufacturer data

Manufacturer name: **Gravity GmbH**
 Representative: **Stefan Berger**
 Street: **Hütte 45**
 Post code / Place: **6345 Kössen**
 Country: **Austria**

Sample data

Name:	XFusion	Size:	220
Steerable ⁽¹⁾ :	No	Maximum weight in flight ⁽²⁾ [kg]:	220
Weight ⁽³⁾ [kg]:	2269	volume packed [cm ³]:	8700
Serial number:	00001		

Test data ⁽⁴⁾

	Test no. 1	Test no. 2
Place of test	Villeneuve	Villeneuve
Date of test	17.10.2017	02.07.2018
Inspector:	Alain Zoller	Claude Thurnheer

Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	15	23
RH [%]	72	76
[hPa]	981.3	960.1
Wind [m/s]	0.2	0.1

Summary of both results ⁽⁵⁾

	EN	LTF
Time of opening test [s]:	2.55	2.55
Calculated descent rate test [m/s]:	5.35	5.35
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_303.2020**

Test Report

Manufacturer data

Manufacturer name: **Gravity GmbH**
 Representative: **Stefan Berger**
 Street: **Hütte 45**
 Post code / Place: **6345 Kössen**
 Country: **Austria**

Sample data

Name: **XFusion** Size: **220**
 Steerable: **No** Maximum weight [kg]: **220**
 Weight [kg]: **2269** volume packed [cm³]: **8700**
 Serial number: **00002**

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	Muraz	Muraz
Date of test	13.12.2017	21.02.2018
Corrected mass [kg]	221.51	220.91
Inspector:	Alain Zoller	Alain Zoller

Atmosphere AGL

	Test no. 1	Test no. 2
[°C]	2	0.7
RH [%]	78.9	74
[hPa]	970.2	963
Wind [m/s]	0.1	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⁾	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