



## Speed of opening, stability, descent rate

Inspection certificate number: **EP\_292.2020**

**Test Report**

### Manufacturer data

Manufacturer name: **Gravity GmbH**

Street: **Hütte 45**

Post code / Place: **6345 Kössen**

Country: **Austria**

### Sample data

Name:	<b>XFusion</b>	Size:	<b>100</b>
Steerable <sup>(1)</sup>	<b>No</b>	Maximum weight in flight <sup>(2)</sup> [kg]:	<b>100</b>
Weight <sup>(3)</sup> [kg]	<b>1.06</b>	volume packed [cm <sup>3</sup> ]:	<b>3850</b>
Serial number:	<b>100-11C-1001</b>		

### Test data <sup>(4)</sup>

#### Test

Place of test	<b>Villeneuve</b>
Date of test	<b>13.03.2017</b>
Inspector:	<b>Claude Thurnheer</b>

### Atmosphere AGL

[°C]	<b>7.1</b>
RH [%]	<b>80</b>
[hPa]	<b>977</b>
Wind [m/s]	<b>0.1</b>

### Summary of both results <sup>(5)</sup>

#### LTF

Time of opening test [s]:	<b>2.71</b>
Calculated descent rate test [m/s]:	<b>6.09</b>
Stability test:	<b>POSITIVE</b>
Behaviour during descent test:	<b>Stable</b>
Glider ratio:	<b>POSITIVE</b>

#### If steerable:

Any flight procedure and/or configuration described in the user's manual	<b>N/A</b>
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## Strength test - 40 m/s opening shock

Inspection certificate number: **EP\_292.2020**

**Test Report**

### Manufacturer data

Manufacturer name: **Gravity GmbH**

Street: **Hütte 45**

Post code / Place: **6345 Kössen**

Country: **Austria**

### Sample data

Name:	<b>XFusion</b>	Size:	<b>100</b>
Steerable	<b>No</b>	Maximum weight [kg]:	<b>100</b>
Weight [kg]	<b>1.06</b>	volume packed [cm <sup>3</sup> ]:	<b>3850</b>
Serial number:	<b>100-11C-1004</b>		

### Test data <sup>(1)</sup>

	Test no. 1	Test no. 2
Place of test	<b>Illarsaz</b>	<b>Illarsaz</b>
Date of test	<b>08.03.2017</b>	<b>29.03.2017</b>
Corrected mass [kg]	99.53	96.36
Inspector:	<b>Alain Zoller</b>	<b>Alain Zoller</b>

### Atmosphere AGL

[°C]	<b>9.6</b>	<b>18.5</b>
RH [%]	<b>75</b>	<b>59</b>
[hPa]	<b>980.6</b>	<b>979</b>
Wind [m/s]	<b>0.1</b>	<b>0.2</b>

### Test results

	Test no. 1	Test no. 2
Strength test (40m/s shock)	<b>POSITIVE</b>	<b>POSITIVE</b>
Aircraft speed uncertainty K=2 [m/s] <sup>(2)</sup>	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