

Harness Spreader Report

Inspection certificate number: MISC_163.2020

Manufacturer data:

Manufacturer name: **Niviuk Gliders**
 Representative: **Dominique Cizeau**
 Street: **C. Del Ter, 6-Nave D**
 Post code place: **17165 La Cellera de Ter Girona**
 Country: **Spain**

Sample data:

Name Spreader **Spreader bar light**
 Max Load [kg]: **240**
 Serial number: **n/a**
 Date of reception: **22.10.2020**

Test data

Place of test **Villeneuve**
 Date of test: **22.10.2020**
 Inspector: **Alain Zoller**

Atmosphere AGL:

[C°]	21
RH [%]	48
[hPa]	974

Summary of Spreader's test

Test id	Test configuration ⁽²⁾	Top Att. Point	Bottom Attachment point	Min. Load [N]	Result
1	Induced load from the pilot and a heavy passenger (short) to the main point	Main	Pilot Passenger	21600.00	POSITIVE
2	Induced load from the pilot and a light passenger (long) to the main point	Main	Pilot Long	21600.00	n/a
3	Induced load from the pilot and a heavy passenger (short) to the rescue point	Rescue	Pilot Short	21600.00	n/a
4	Induced load from the pilot and a light passenger (short) to the rescue point	Rescue	Pilot Long	21600.00	n/a
5	Induced load from the main point to between the spreader bar	Main	between the spreader bar	9600.00	n/a



Issue data

Place of declaration **Villeneuve** Managing director **Alain Zoller**
 Date of issue: **23.10.2020** Signature:



Manufacture	Instrument	Type no	S/N	Validity Calibration
HBM	Load Sensor GE01	1-S9M/50KN-1	31314643	04.09.2023

This signature approve the validity of the test reports if available. **Air Turquoise SA**, having thoroughly assessed the sample mentioned above, declare it was found conform with all requirements defined by the following norms:

Airworthiness Requirements **LTF NFL II 91/09**

The model had been tested according to Nfl II 35/03 point 3.2.3, up to 9G of its total weight in flight or at least 1350 daN during 10 seconds.

⁽¹⁾ Calculated value in tests reports include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

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Name Spread **Spreader bar light**

Test 1

Standard	LTF NfL II 91/09
Test setup	Induced load from the pilot and a heavy passenger (short) to the main point
Min. Required load [g]	9
Min. Required load [N]	21600
Min. Required duration [s]	10
Result	
Test duration [s]	14
Any signs of structural failure	No
Test results	POSITIVE

