

Harness Spreader Report

Inspection certificate number: **MISC_160.2020**

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 soft**
 Max Load [kg]: **240**
 Serial number: **n/a**
 Date of reception: **14.10.2020**

Test data

Place of test **Villeneuve**
 Date of test: **14.10.2020**
 Inspector: **Alain Zoller**

Atmosphere AGL:

| | |
|--------|-------|
| [C°] | 20.6 |
| RH [%] | 47 |
| [hPa] | 965.7 |

Summary of Spreader's test

| Test id | | Test configuration ⁽²⁾ | Top Att. Point | Bottom Attachement point | Min. Load [N] | Result |
|---------|---|---|----------------|--------------------------|---------------|----------|
| 1 | ✓ | Induced load from the pilot and a heavy passenger (short) to the main point | Main | Pilot Short | 21600.00 | POSITIVE |
| 2 | ✓ | Induced load from the pilot and a light passenger (long) to the main point | Main | Pilot Long | 21600.00 | POSITIVE |
| 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**
 Date of issue: **04.11.2020**

Managing director
 Signature:

Alain Zoller

| 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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