

Harness Spreader Report

Inspection certificate number: **MISC_202.2022**

Manufacturer data:

Manufacturer name: **AirDesign GmbH**
 Representative: **Stephan Stiegler**
 Street: **Rhomberstrasse 9, 4. Stock**
 Post code place: **A-6067 Absam**
 Country: **Austria**

Sample data:

Name Spreader: **Soft Tandem Spreader Bar**
 Max Load [kg]: **210**
 Serial number: **XRVBAR03_rev3-superlight**
 Date of reception: **18.01.2022**

Test data

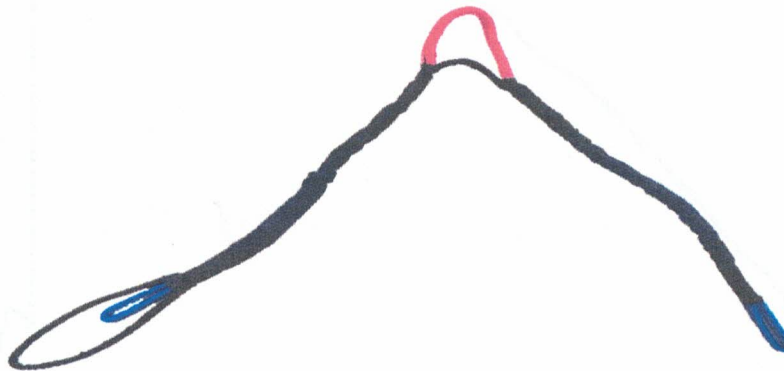
Place of test **Villeneuve**
 Date of test: **27.01.2022**
 Inspector: **Nicolas Jacquod**

Atmosphere AGL:

[C°]	20
RH [%]	28
[hPa]	1020

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 Short	18900.00	POSITIVE
2	✓	Induced load from the pilot and a light passenger (long) to the main point	Main	Pilot Long	18900.00	POSITIVE
3		Induced load from the pilot and a heavy passenger (short) to the rescue point	Rescue	Pilot Short	18900.00	n/a
4		Induced load from the pilot and a light passenger (short) to the rescue point	Rescue	Pilot Long	18900.00	n/a
5		Induced load from the main point to between the spreader bar	Main	between the spreader bar	8400.00	n/a



Issue data

Place of declaration: **Villeneuve**
 Date of issue: **27.01.2022**

Managing director:
 Signature:

Alain Zoller

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

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

Airworthiness Requirements **NfL 2-565-20**

The model has been tested according to NfL 2-565-20 point 3.2.3, up to 9G of its total weight in flight or at least 1350 daN during 10 seconds.

⁽¹⁾ Calculated values 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%.

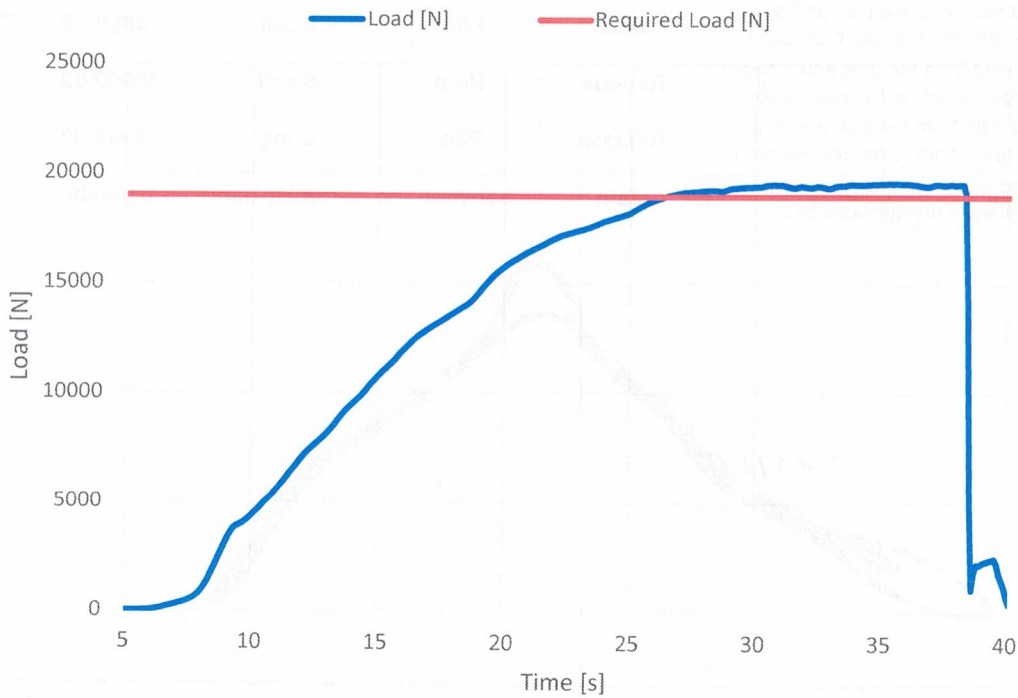
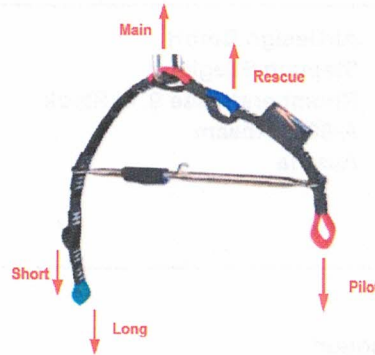
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Name **Spread Soft Tandem Spreader Bar**

Test 1

Standard	NfL 2-565-20
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]	18900
Min. Required duration [s]	10
Result	
Test duration [s]	12
Any signs of structural failure	No
Test results	POSITIVE



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Name **Spread Soft Tandem Spreader Bar**

Test 2

Standard	NfL 2-565-20
Test setup	Induced load from the pilot and a light passenger (long) to the main point
Min. Required load [g]	9
Min. Required load [N]	18900
Duration [s]	10
Result	
Test duration [s]	11.7
Any signs of structural failure	No
Test results	POSITIVE

