

Harness Spreader Report

Inspection certificate number: **MISC 154.2020**

Manufacturer data:

Manufacturer name: **Supair SAS**
 Representative: **Laurent Chiabaut**
 Street: **34, rue Adrastée**
 Post code place: **74650 Chavanod**
 Country: **France**

Sample data:

Name Spreader **Rigid 300 mm**
 Max Load [kg]: **240**
 Serial number: **n/a**
 Date of reception: **30.07.2020**

Test data

Place of test **Villeneuve**
 Date of test: **07.08.2020**
 Inspector: **Alain Zoller**

Atmosphere AGL:

[C°]	23.6
RH [%]	56
[hPa]	976.2

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		10800.00	POSITIVE

Issue data

Place of declaration **Villeneuve** Managing director **Alain Zoller**
 Date of issue: **13.08.2020** 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%.

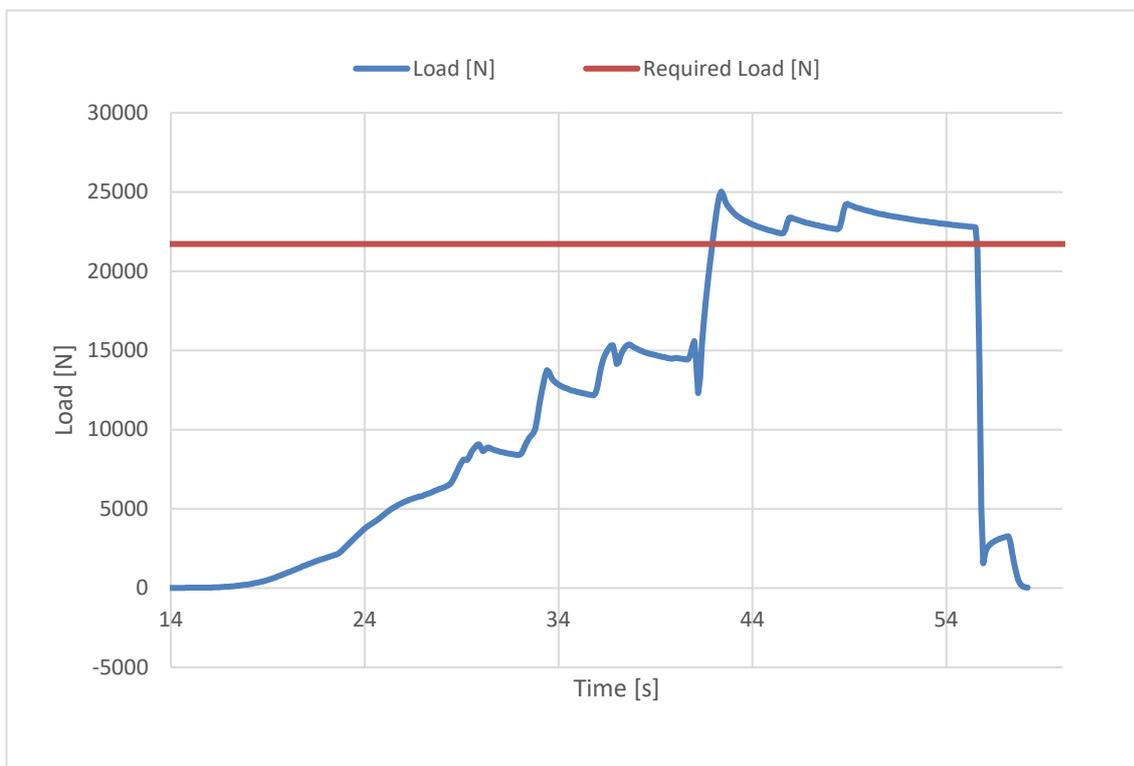
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Name Spread Rigid 300 mm

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]	11.45
Any signs of structural failure	No
Test results	POSITIVE

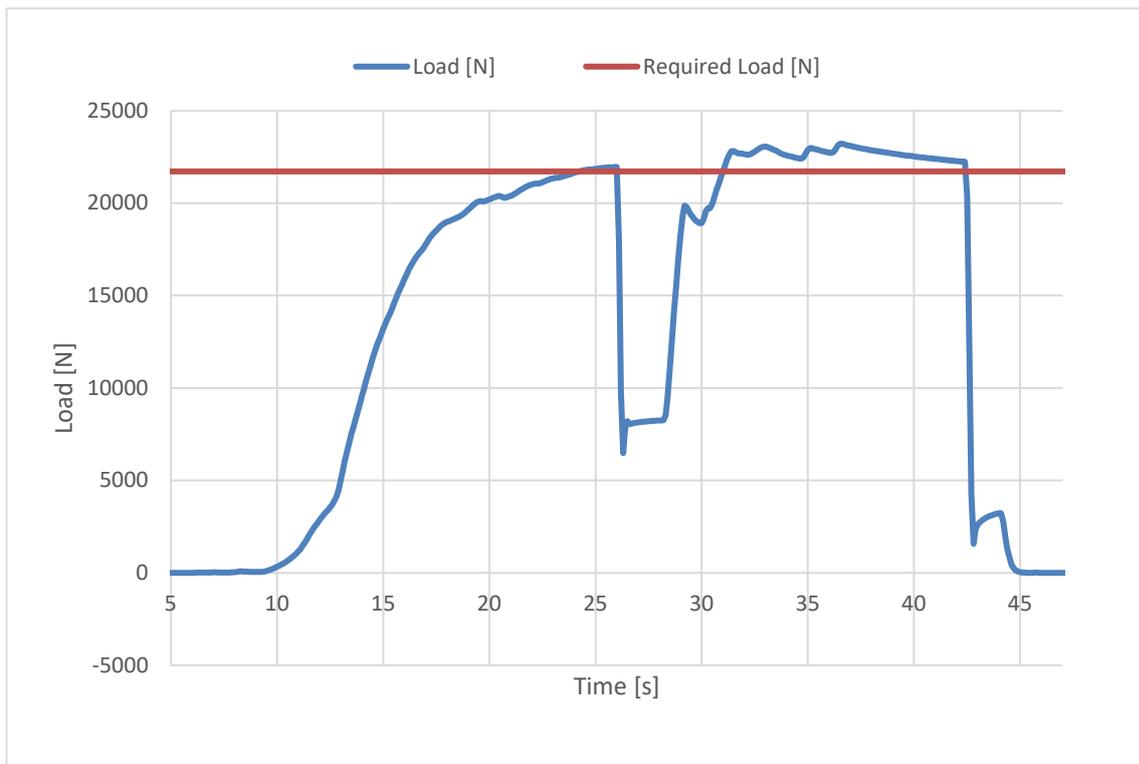


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Name **Spread Rigid 300 mm**

Test 2

Standard	LTF NfL II 91/09
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]	21600
Duration [s]	10
Result	
Test duration [s]	13.24
Any signs of structural failure	No
Test results	POSITIVE



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Name Spread Rigid 300 mm

Test 5

Standard	LTF NfL II 91/09
Test setup	Induced load from the main point to between the spreader bar
Min. Required load [g]	4.5
Min. Required load [N]	10800
Duration [s]	10



Result	
Test duration [s]	14.8
Any signs of structural failure	No
Test results	POSITIVE

