

Harness Spreader Report

Inspection certificate number: **MISC_206.2022**

Manufacturer data:

Manufacturer name: **Nova Vertriebsgesellschaft m.b.H.**
 Representative: **Philipp Medicus**
 Street: **Auweg 14**
 Post code place: **6124 Terfens**
 Country: **Austria**

Sample data:

Name Spreader: **Tandem Spreader Soft**
 Max Load [kg]: **225**
 Serial number: **TSS001**
 Date of reception: **22.03.2022**

Test data

Place of test **Villeneuve**
 Date of test: **30.03.2022**
 Inspector: **Nicolas Jacquod**

Atmosphere AGL:

[C°]	20
RH [%]	33
[hPa]	999

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	20250	POSITIVE
2	✓	Induced load from the pilot and a light passenger (long) to the main point	Main	Pilot Long	20250	POSITIVE
3		Induced load from the pilot and a heavy passenger (short) to the rescue point	Rescue	Pilot Short	20250	n/a
4		Induced load from the pilot and a light passenger (short) to the rescue point	Rescue	Pilot Long	20250	n/a
5		Induced load from the main point to between the spreader bar	Main	between the spreader bar	10125	n/a
6	✓	Induced load between the two ends of the integreted rescue bridle	Bridle	Bridle	24000	POSITIVE



Issue data

Place of declaration: **Villeneuve**
 Date of issue: **21.04.2022**

Managing director:
 Signature:

Andrea Wigger



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 3.2.4, 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%.

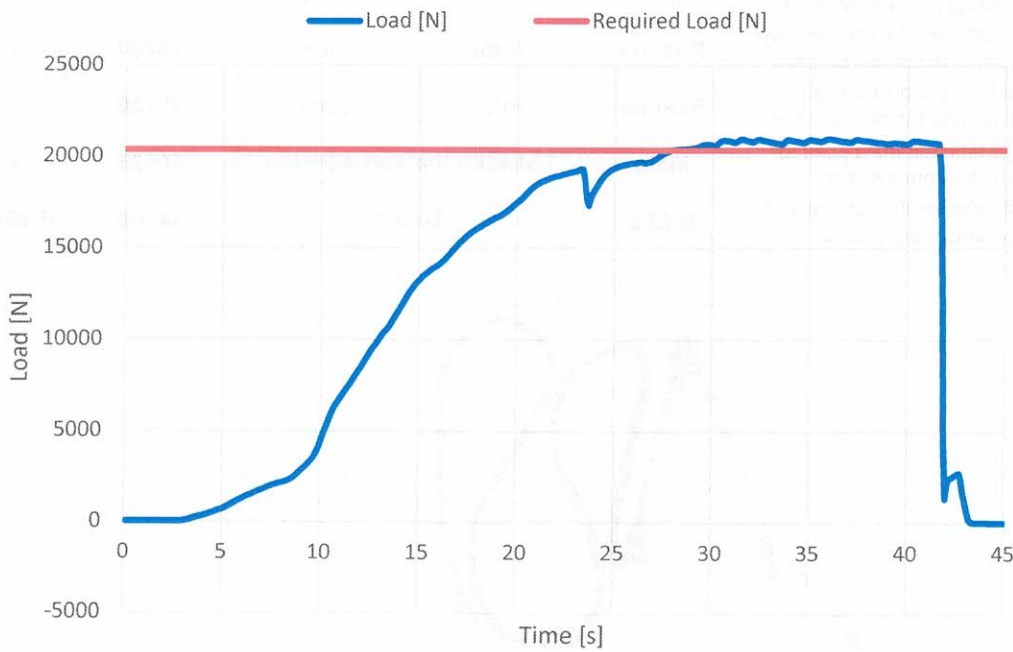
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Name **Spread Tandem Spreader Soft**

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]	20250
Min. Required duration [s]	10
Result	
Test duration [s]	13.7
Any signs of structural failure	No
Test results	POSITIVE


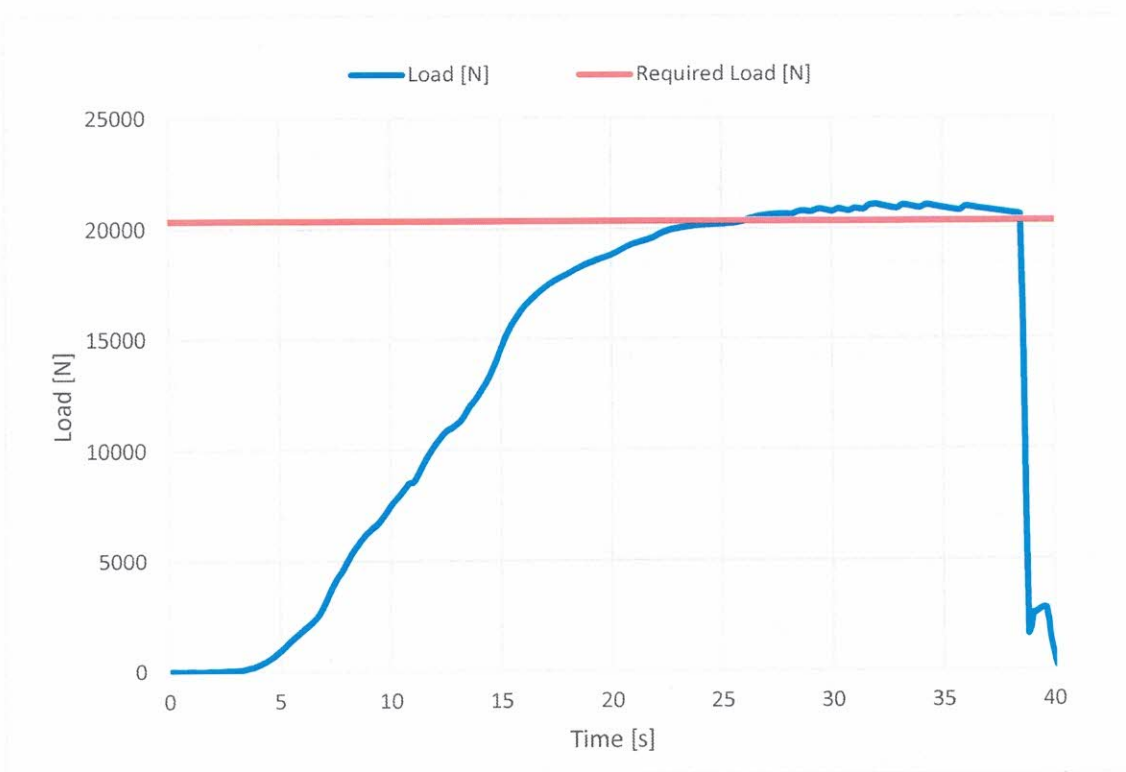


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Name **Spread Tandem Spreader Soft**

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]	20250
Duration [s]	10
Result	
Test duration [s]	12.5
Any signs of structural failure	No
Test results	POSITIVE

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Name **Spread Tandem Spreader Soft**

Harness Structural test

Test ID 11

Standard	NfL 2-565-20
Test setup	Connecting element for rescue
Attachment points	End point (emergency parachute)
Anchor points	Both attachment to spreader
Required load [g]	n/a
Required load [N]	24000
Minimum test duration [s]	0.3
Type of connecting element	a) two single elements
Result	
Test duration [s]	6.6
Any signs of structural failure	No
Test results	POSITIVE

