

Harness Spreader Report

Inspection certificate number: **MISC_248.2023**

Manufacturer data:

Manufacturer name: **Troy Paragliders**
 Representative: **Milica Marinkovic Güler**
 Street: **Cevatpasa mahallesi İnönü caddesi 49/16**
 Post code place: **17000 Merkez / çanakkale**
 Country: **Turkey**

Sample data:

Name Spreader: **Soft Spreader bar**
 Max Load [kg]: **200**
 Serial number: **001**
 Date of reception: **15.03.2023**

Test data

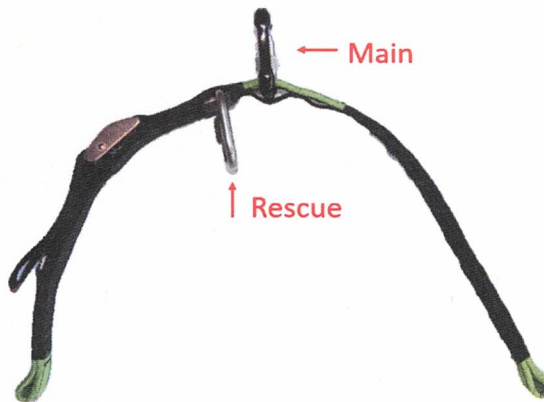
Place of test **Villeneuve**
 Date of test: **22.03.2023**
 Inspector: **Nicolas Jacquod**

Atmosphere AGL:

[C°] 21
RH [%] 32
[hPa] 1001

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	18000	POSITIVE
2	✓	Induced load from the pilot and a light passenger (long) to the main point	Main	Pilot	Long	18000	POSITIVE
3		Induced load from the pilot and a heavy passenger (short) to the rescue point	Rescue	Pilot	Short	18000	n/a
4	✓	Induced load from the pilot and a light passenger (short) to the rescue point	Rescue	Pilot	Long	18000	POSITIVE
5		Induced load from the main point to between the spreader bar	Main	between the spreader bar		9000	n/a
6		Induced load between the two ends of the integrated rescue bridle	Bridle	Bridle		24000	n/a



Issue data

Place of declaration: **Villeneuve**
 Date of issue: **11.05.2023**

Managing director: **Andrea Wigger**
 Signature: 

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%.

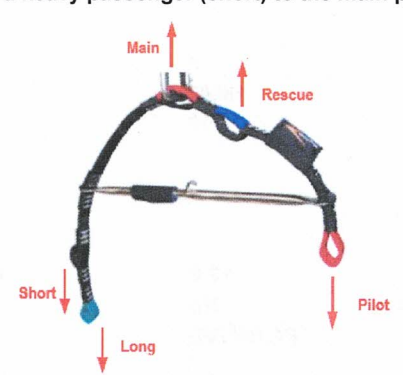
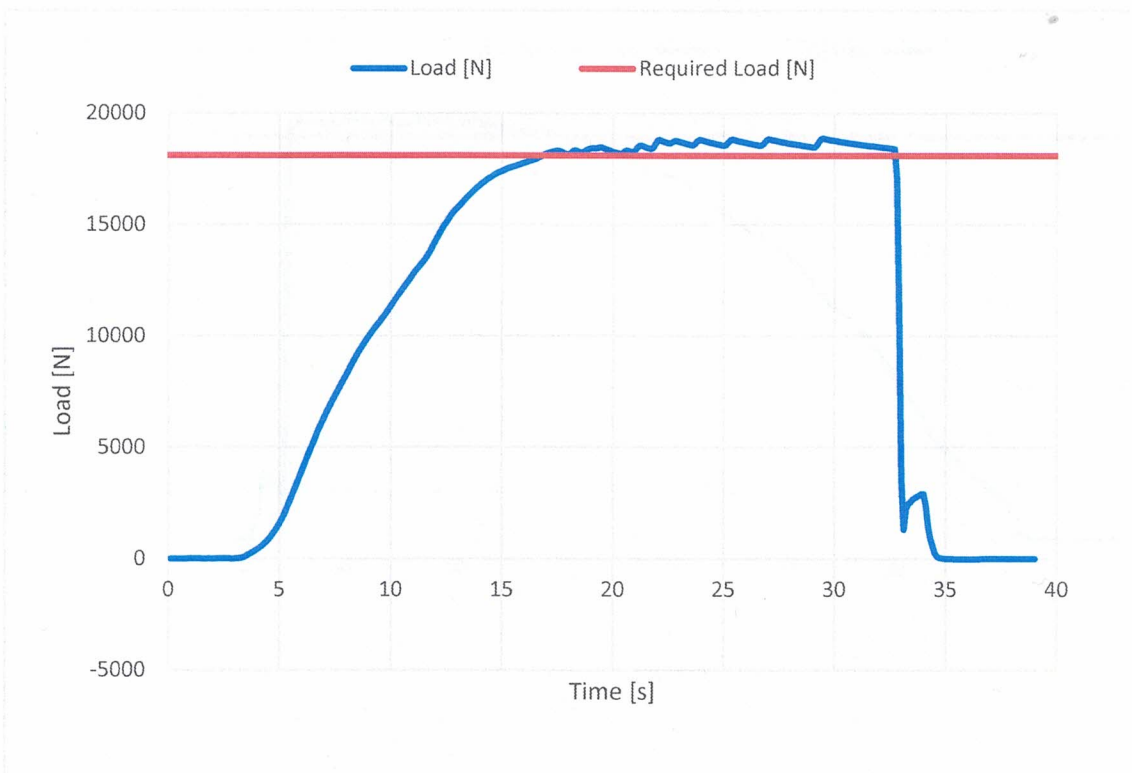
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Name Spread **Soft Spreader bar**

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]	18000
Min. Required duration [s]	10
Result	
Test duration [s]	15.9
Any signs of structural failure	No
Test results	POSITIVE


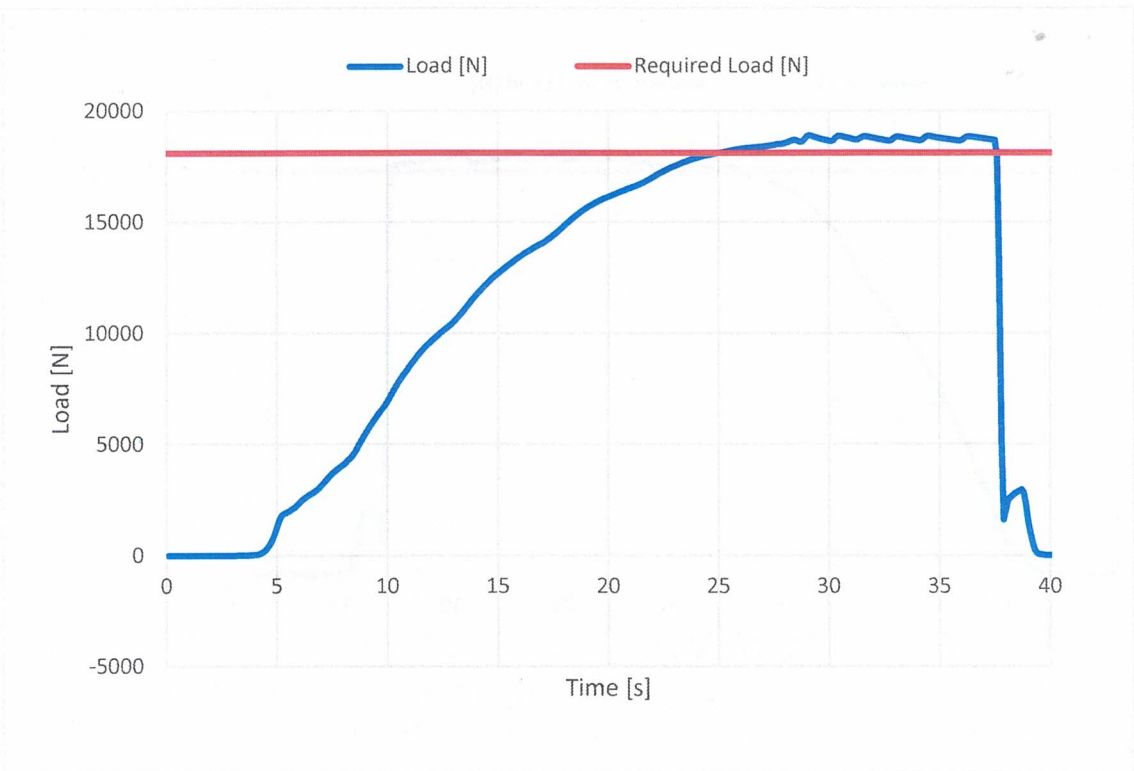



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Name **Spread Soft Spreader bar**

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]	18000
Duration [s]	10
Result	
Test duration [s]	12.5
Any signs of structural failure	No
Test results	POSITIVE

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Name Spread Soft Spreader bar

Test 4

Standard	NfL 2-565-20
Test setup	Induced load from the pilot and a light passenger (short) to the rescue point
Min. Required load [g]	9
Min. Required load [N]	18000
Duration [s]	10
Result	
Test duration [s]	10.2
Any signs of structural failure	No
Test results	POSITIVE

