

Harness Spreader Report

Inspection certificate number: **MISC_284.2024**

Manufacturer data:

Manufacturer name: **BGD GmbH**
 Representative: **Bruce Goldsmith**
 Street: **Am Gewerbepark 11**
 Post code place: **9413 St-Gertraud**
 Country: **Austria**

Sample data:

Name Spreader: **Tandem Spreader**
 Max Load [kg]: **220**
 Serial number: **BG1148003PT**
 Date of reception: **10.06.2024**

Test data

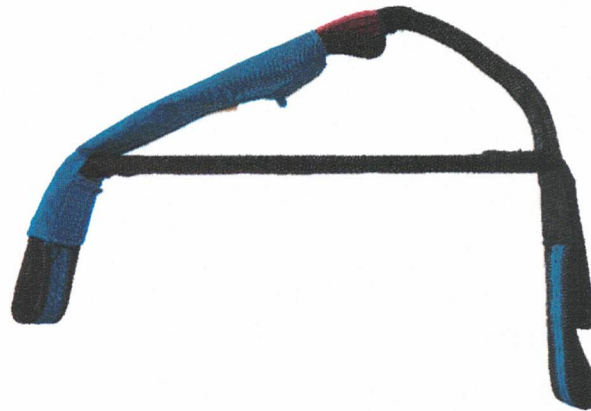
Place of test: **Villeneuve**
 Date of test: **10.06.2024**
 Inspector: **Nicolas Jacquod**

Atmosphere AGL:

[C°]	22
RH [%]	62
[hPa]	1000

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	19800	POSITIVE
2	Induced load from the pilot and a light passenger (long) to the main point	Main	Pilot	Long	19800	POSITIVE
3	Induced load from the pilot and a heavy passenger (short) to the rescue point	Rescue	Pilot	Short	19800	POSITIVE
4	Induced load from the pilot and a light passenger (long) to the rescue point	Rescue	Pilot	Long	19800	POSITIVE
5	Induced load from the main point to between the spreader bar	Main	Between the spreader bar		9900	POSITIVE
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: **20.06.2024**

Managing director: **Andrea Wigger**
 Signature: 

Manufacturer	Instrument	Type no	S/N	Validity Calibration
HBM	Load Sensor GE01	1-S9M/50KN-1	31314643	23.08.2028

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%.

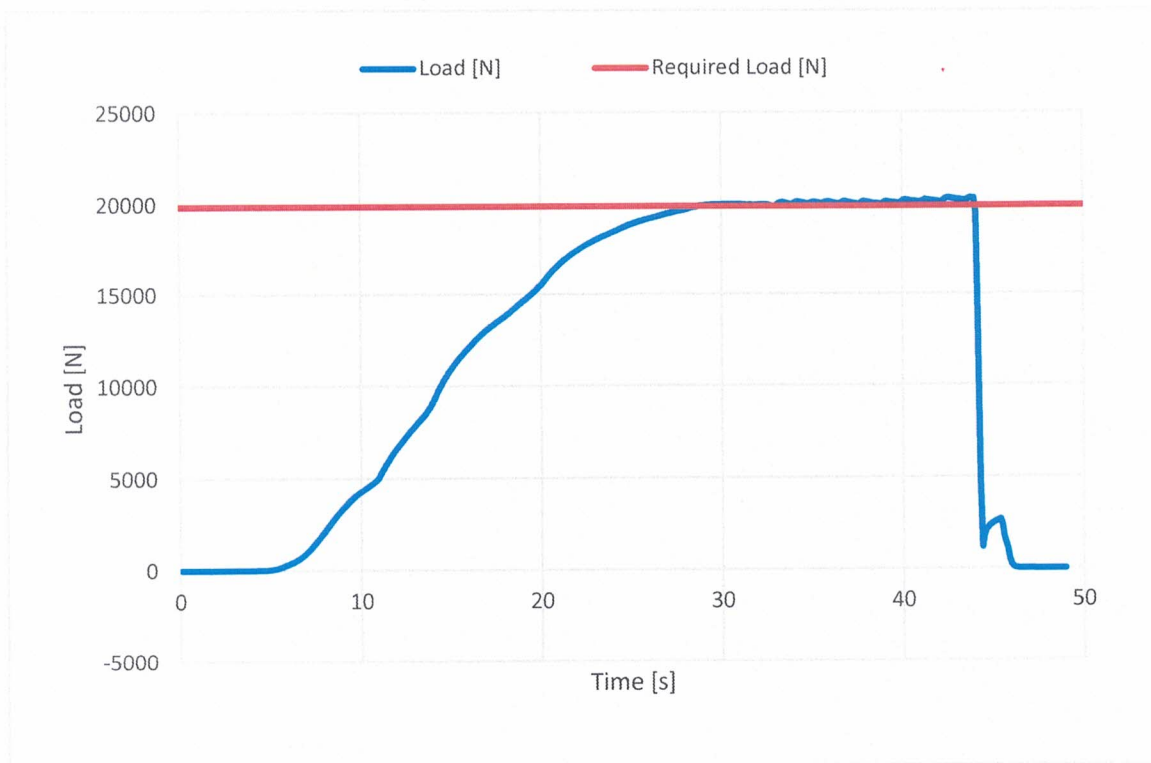
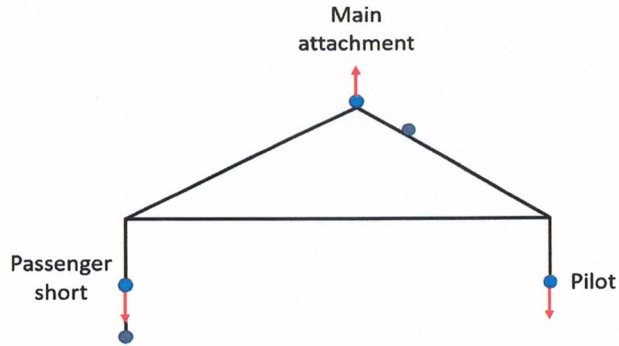
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Name Spreader **Tandem Spreader**

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]	19800
Min. Required duration [s]	10
Result	
Test duration [s]	11.1
Any signs of structural failure	No
Test results	POSITIVE

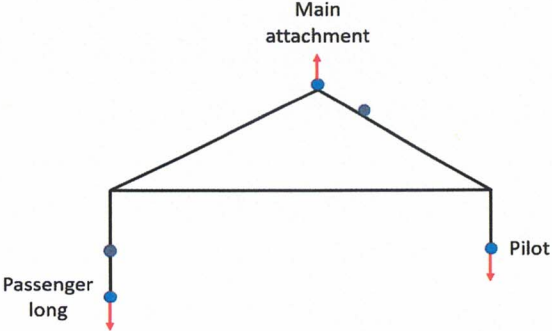
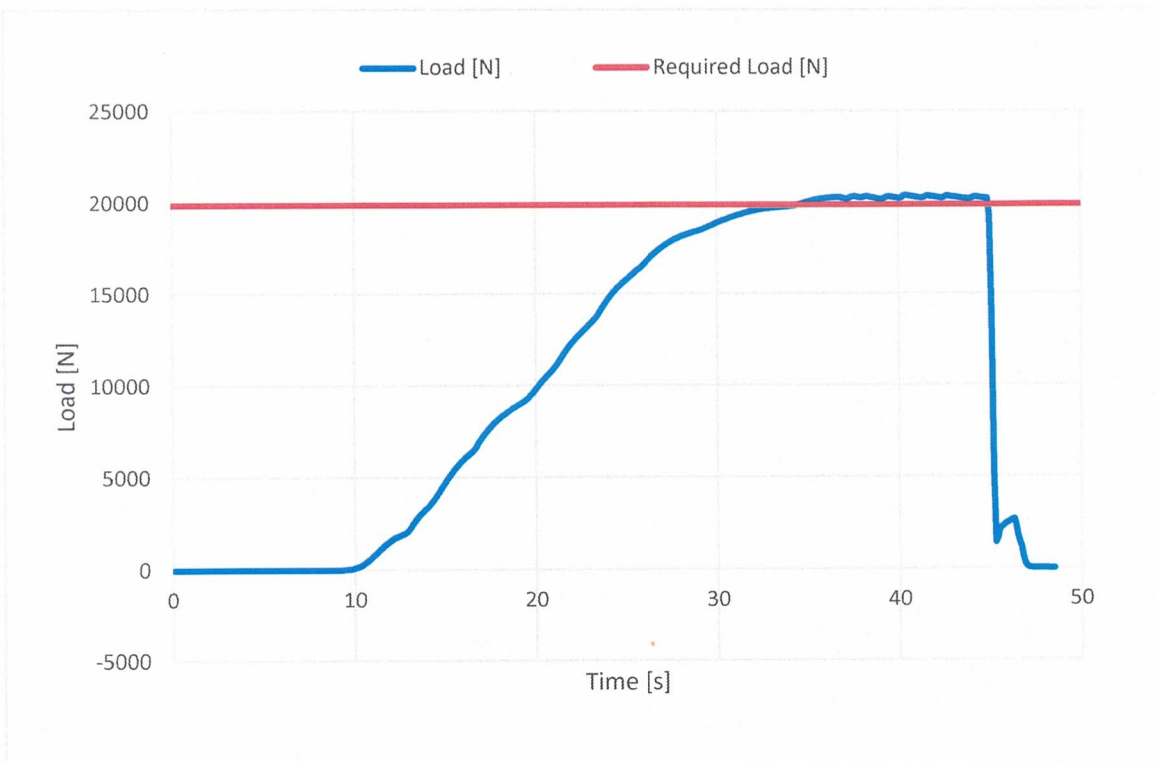


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Name Spreader **Tandem Spreader**

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]	19800
Duration [s]	10
Result	
Test duration [s]	10.5
Any signs of structural failure	No
Test results	POSITIVE

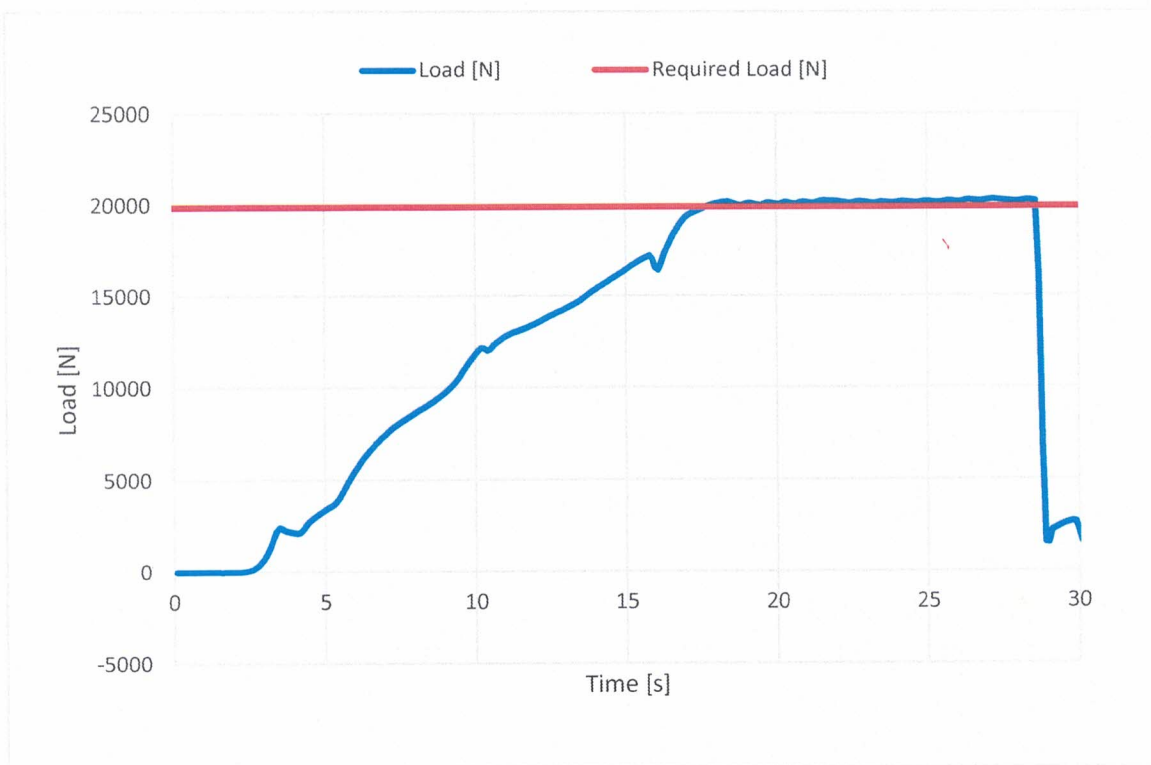
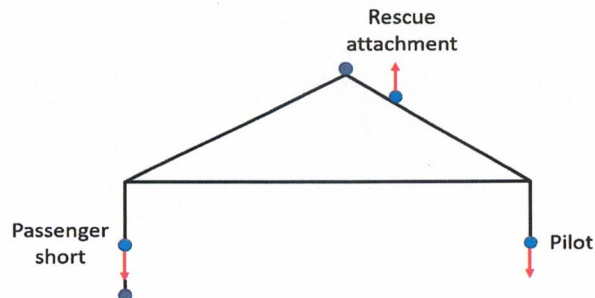



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Name Spreader **Tandem Spreader**

Test 3

Standard	NfL 2-565-20
Test setup	Induced load from the pilot and a heavy passenger (short) to the rescue point
Min. Required load [g]	9
Min. Required load [N]	19800
Duration [s]	10
Result	
Test duration [s]	11
Any signs of structural failure	No
Test results	POSITIVE



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Name Spreader **Tandem Spreader**

Test 4

Standard	NfL 2-565-20
Test setup	Induced load from the pilot and a light passenger (long) to the rescue point
Min. Required load [g]	9
Min. Required load [N]	19800
Duration [s]	10
Result	
Test duration [s]	10.4
Any signs of structural failure	No
Test results	POSITIVE

