

Test report - Spreader

Air Turquoise SA has thoroughly tested the structural strength of the item mentioned hereunder. The testing procedure has been achieved in accordance with the methodology of the standards **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.

Manufacturer's name:	Supair Sàrl
Representative:	Laurent Chiabaut
Street:	34, rue Adrastée
Post code / place:	74650 Chavanod
Country:	France
Identification number:	MISC_132.2019
Item name/type:	Spreader bar – rigid
Date of inspection:	08.08.2019

Structural strength test result

The sample has been tested for a maximum load of **240 [kg]** during **10 [s]** at 9 [g].

Remark :



Villeneuve, 08.08.2019

Place and date of issue



Alain Zoller

Test 1:

The load has been induced from pilot- and the first (long) passenger attachment to the main attachment point of glider.

LOAD TEST HBM/S9M

Air Turquoise SA
Route du Pré-au-Comte 8
CH-1844 Villeneuve
+41 (0) 21 965 65 65/ info@para-test.com



Supair M to M long 240

PTV [kg]: 242
g factor : 9.2
Time Test [s]: 12
min value [N]: 21841
Maximum Force (N) 22144
(3s cumulated)
Uncertainty:

TEST PASSED 9.2g/12s
07/08/2019 12:23

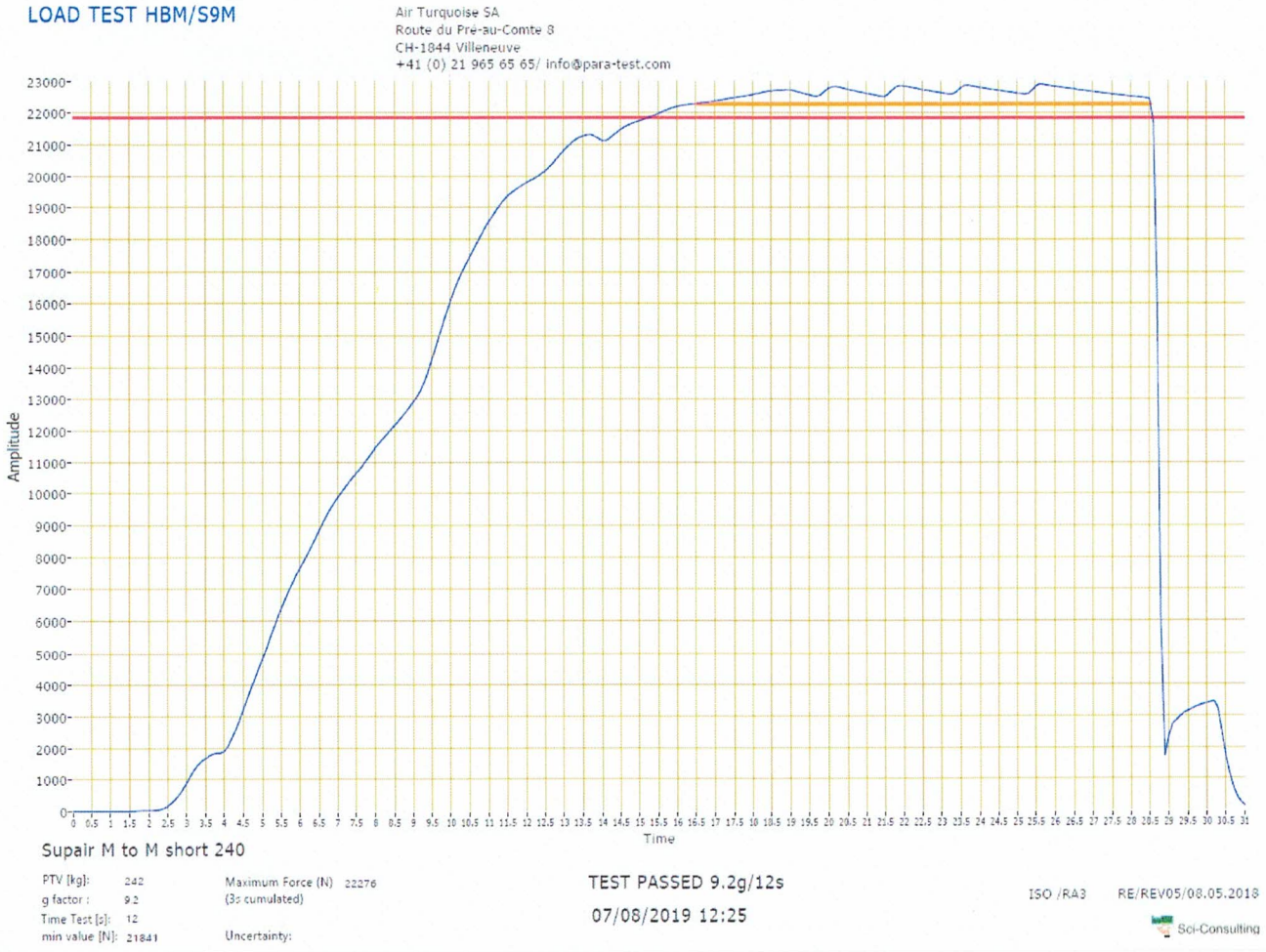
ISO /RA3 RE/REV05/08.05.2018

Sci-Consulting

Tested successfully, up to 2160 daN more for 10 seconds

Test 2:

The load has been induced from pilot- and the second (short) passenger attachment to the main attachment point to glider.



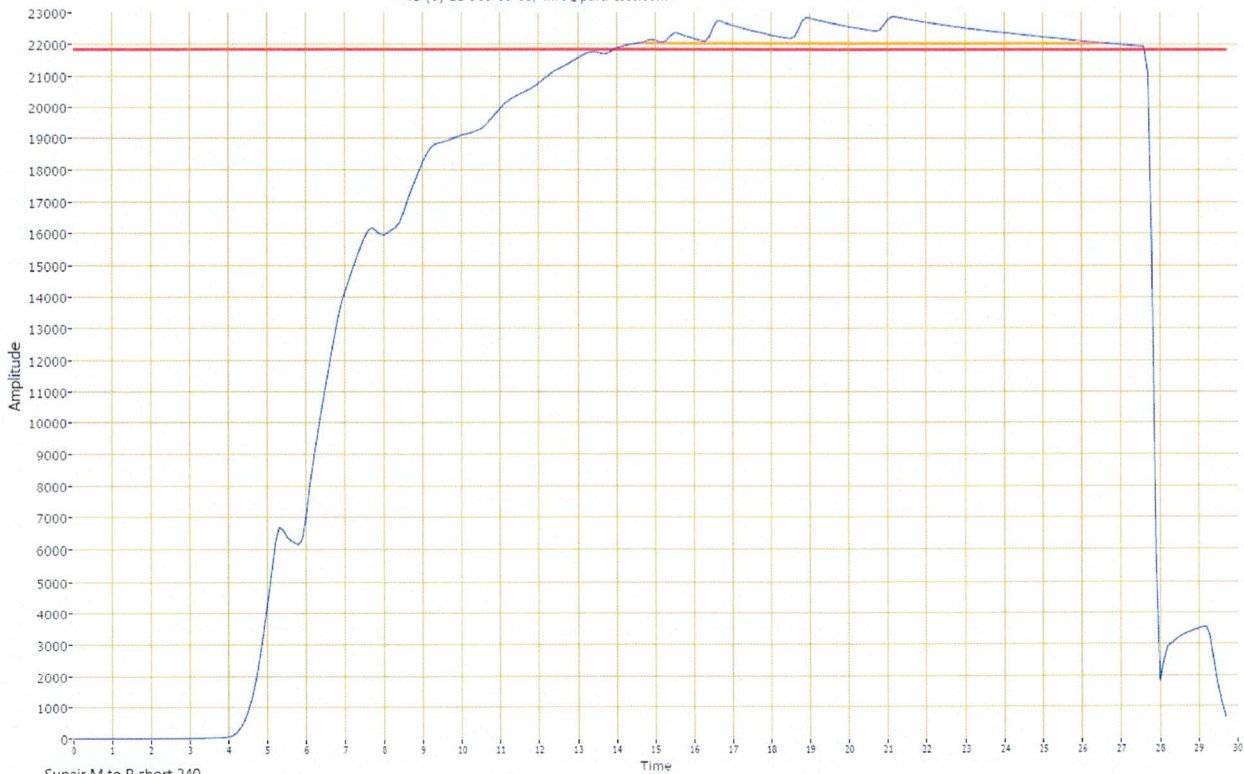
Tested successfully, up to 2160 daN more for 10 seconds

Test 3:

The load has been induced from rescue - and the passenger (short) attachment strait without the main attachment point.

LOAD TEST HBM/S9M

Air Turquoise SA
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Supair M to R short 240

PTV [kg]: 242
g factor: 9.2
Time Test [s]: 12
min value [N]: 21821

Maximum Force (N) 22031
(3s cumulated)
Uncertainty:

TEST PASSED 9.2g/12s

07/08/2019 12:31

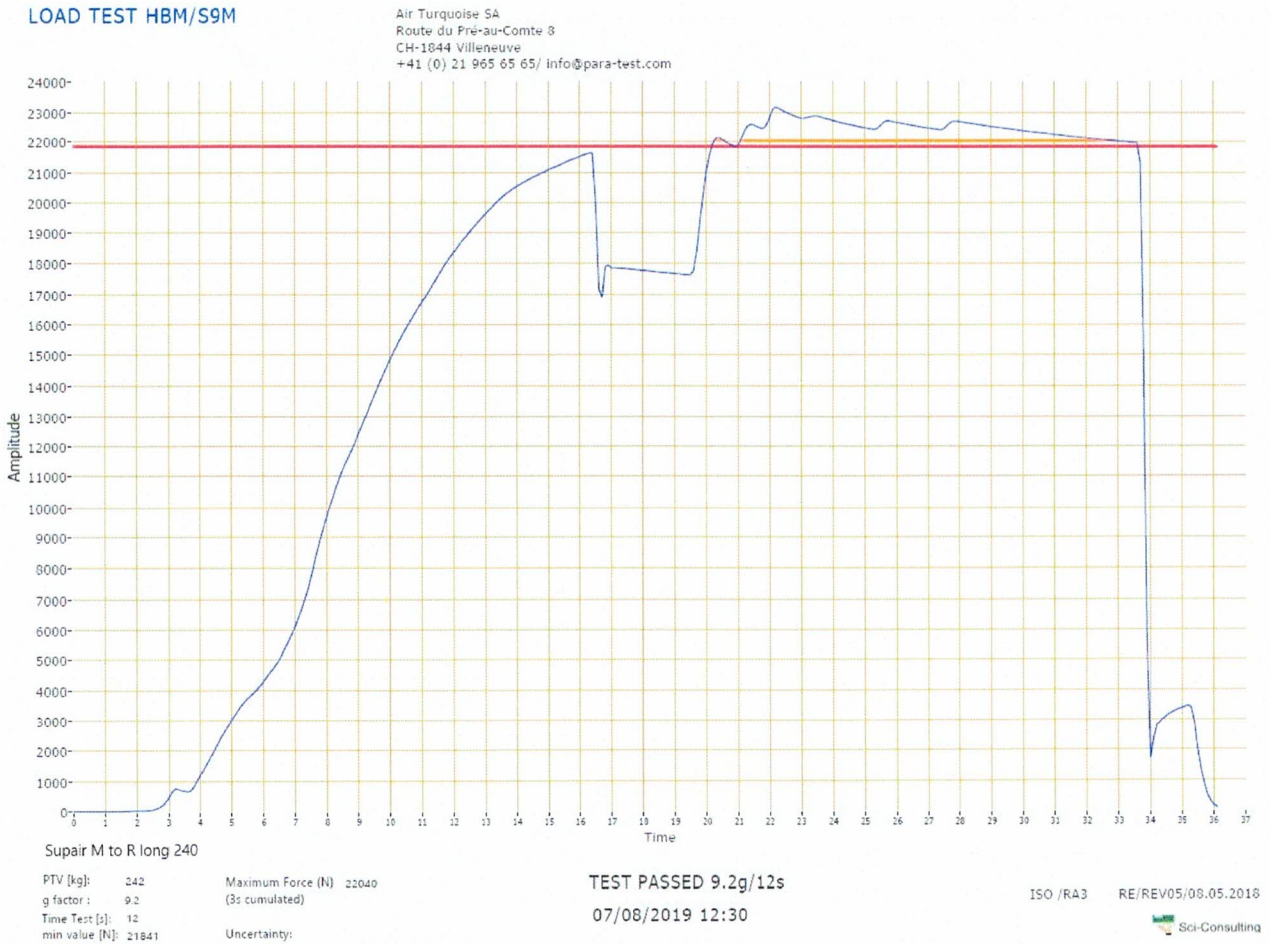
ISO /RA3 RE/REV05/08.05.2018

Sci-Consulting

Tested successfully, up to 2160 daN more for 10 seconds

Test 4:

The load has been induced from rescue - and the passenger (long) attachment strait without the main attachment point.



Tested successfully, up to 2160 daN more for 10 seconds

Test 5:

The load has been induced from the main attachment and between the spreader bar.

LOAD TEST HBM/S9M

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Supair M to mistake 240

PTV [kg]: 242 Maximum Force (N) 10155
g factor : 4.2 (3s cumulated)
Time Test [s]: 12
min value [N]: 9976.8 Uncertainty:

TEST PASSED 4.2g/12s
07/08/2019 12:17

ISO /RA3 RE/REV05/06.05.2018



Tested successfully, up to 960 daN more for 10 seconds