



LOAD TEST REPORT Nfi II 35/03

The model describe hereafter is in conformity with the load test carried out by:
Air Turquoise SA, official test laboratory of Switzerland

Manufacturer:	GIN Gliders
Model:	Rigid spreader bar
Type:	Tandem
Maximum weight in flight:	220 kg

MECHANICAL RESISTANCE TEST

The model had been tested according to Nfi II 35/03 point 3.2.3, up to 9G of its total weight in flight or at least 1350 daN during 10 seconds.



Picture 1

Villeneuve, January 25th, 2011
Air Turquoise SA,


ENF LTF Testing center
www.para-test.com

Alain Zoller

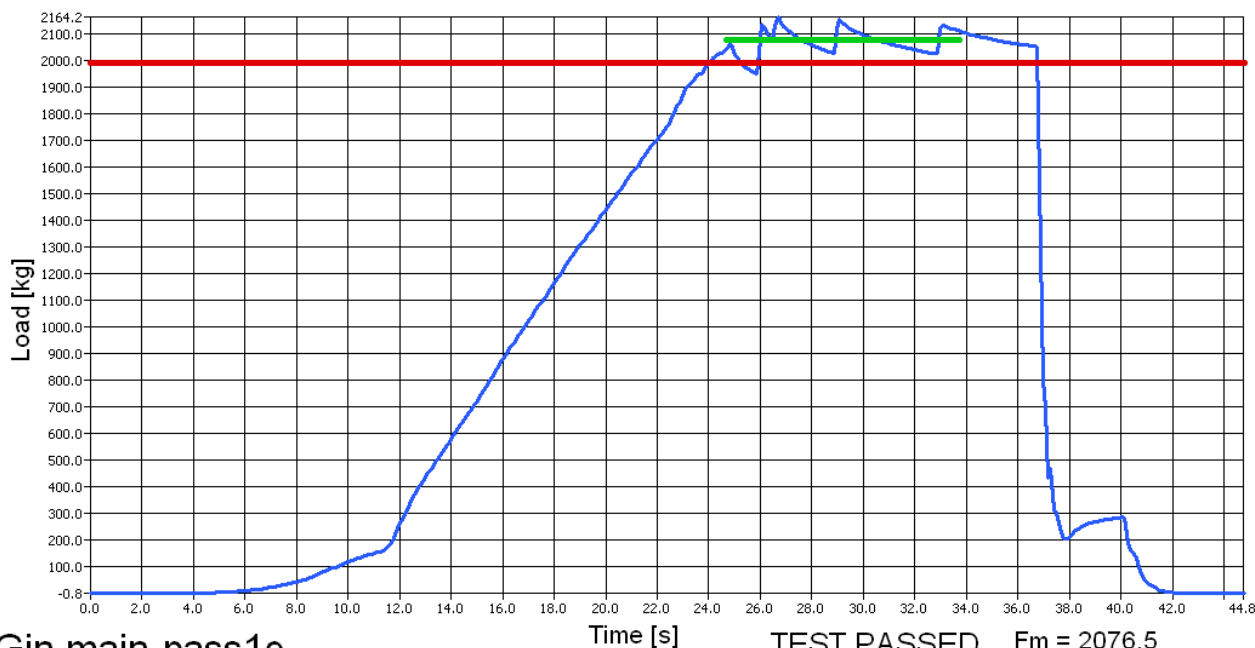


Test 1:

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

**Air Turquoise Homologations
 LOAD DIAGRAM**

Alain Zoller
 Rue de la Poterlaz 6, CP-10
 CH-1844 Villeneuve
 079 202 52 30 / info@airturquoise.ch



Gin main-pass1c

Test Load [kg] = 1990

TEST PASSED

18.11.2010 - 13:04

Fm = 2076.5

measurement with ShockRecord
 (c) 2006 Jonas Buchli <jonas@buchli.org>

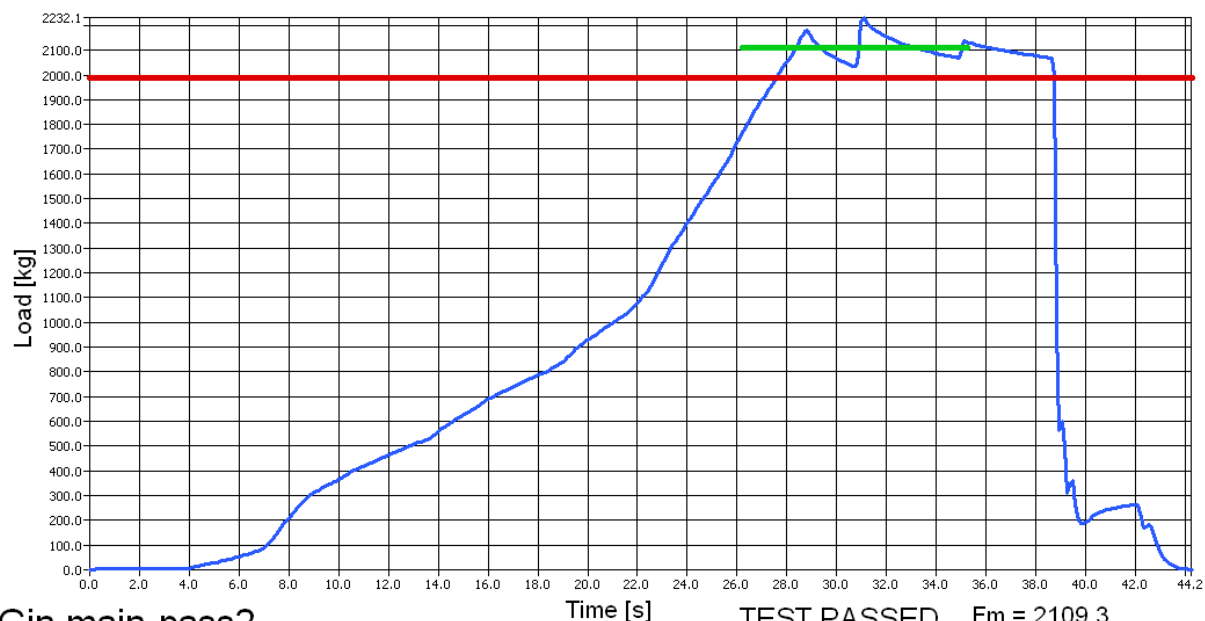
Tested successfully, up to 2000 daN more as 10 seconds

Test 2:

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

**Air Turquoise Homologations
 LOAD DIAGRAM**

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Gin main-pass2

Test Load [kg] = 1990

TEST PASSED Fm = 2109.3

18.11.2010 - 13:07

measurement with ShockRecord
 (c) 2006 Jonas Buchli jonas@buchli.org

Tested successfully, up to 2000 daN more as 10 seconds

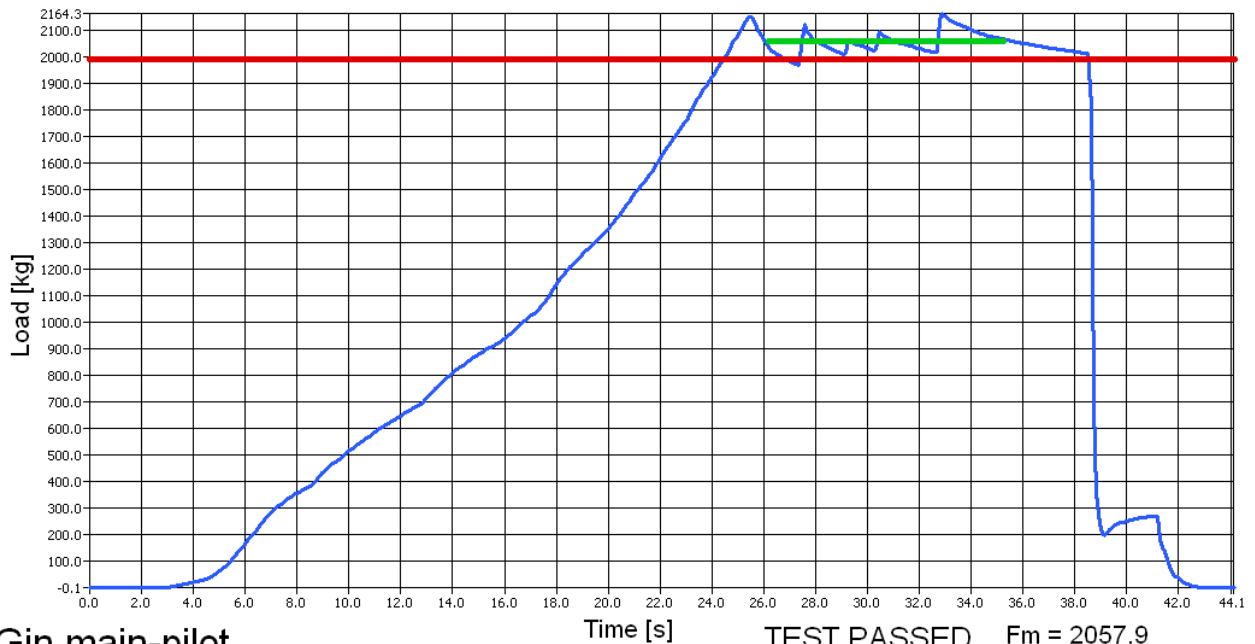


Test 3:

The load has been induced from rescue attachment.

**Air Turquoise Homologations
 LOAD DIAGRAM**

Alain Zoller
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Gin main-pilot

Test Load [kg] = 1990

TEST PASSED

18.11.2010 - 12:57

Fm = 2057.9

measurement with ShockRecord
 (c) 2006 Jonas Buchli jonas@buchli.org

Tested successfully, up to 2000 daN more as 10 seconds



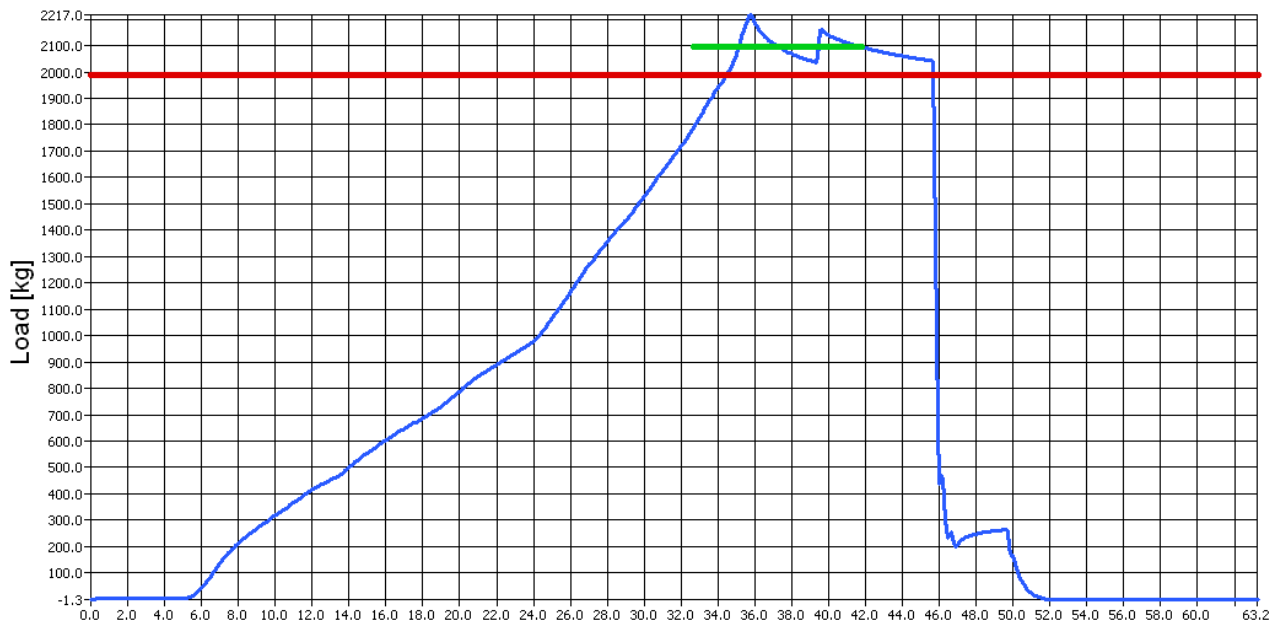
Test 4:

This test is not according to the standard, it is only for information.

The load has been induced from the main attachment to the T-bar of the spreader bar at passenger side.

Air Turquoise Homologations
LOAD DIAGRAM

Alain Zoller
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Gin main-err-b

Test Load [kg] = 1990

TEST PASSED

18.11.2010 - 13:14

Fm = 2094.9

measurement with ShockRecord
 (c) 2006 Jonas Buchli <jonas@buchli.org>

This is the second where it was ripped off. Maximum value is 2217 daN.