



LOAD TEST REPORT Nfl 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: **BGD "Bruce Goldsmith Design"**
Model: **Rigid spreader bar**
Type: **Tandem**
Maximum weight in flight: **200 kg**

MECHANICAL RESISTANCE TEST

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.



Picture 1

Villeneuve, October 02, 2013

Air Turquoise SA,

Alain Zoller

EN & LTF Testing center

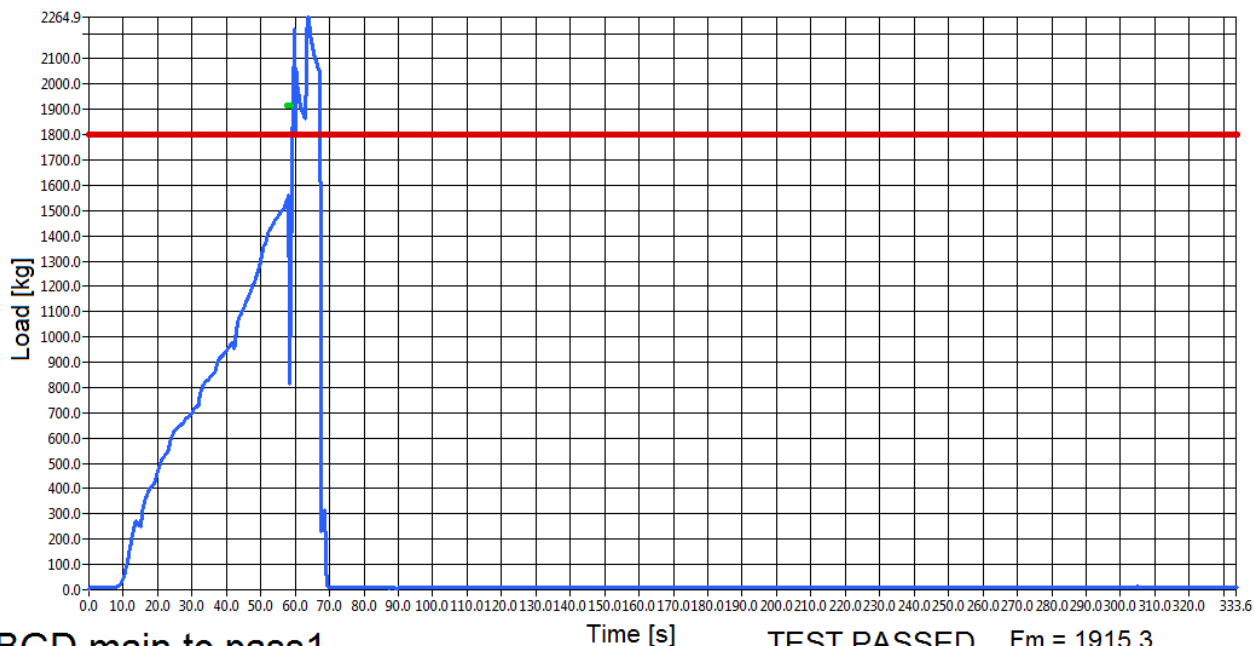


Test 1:

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



BGD main to pass1

Test Load [kg] = 1800

Time [s]

TEST PASSED

Fm = 1915.3

01/10/2013 - 17:02

measurement with ShockRecord
 (c) 2008 Jonas Buchli <jonas@buchli.org>

Tested successfully

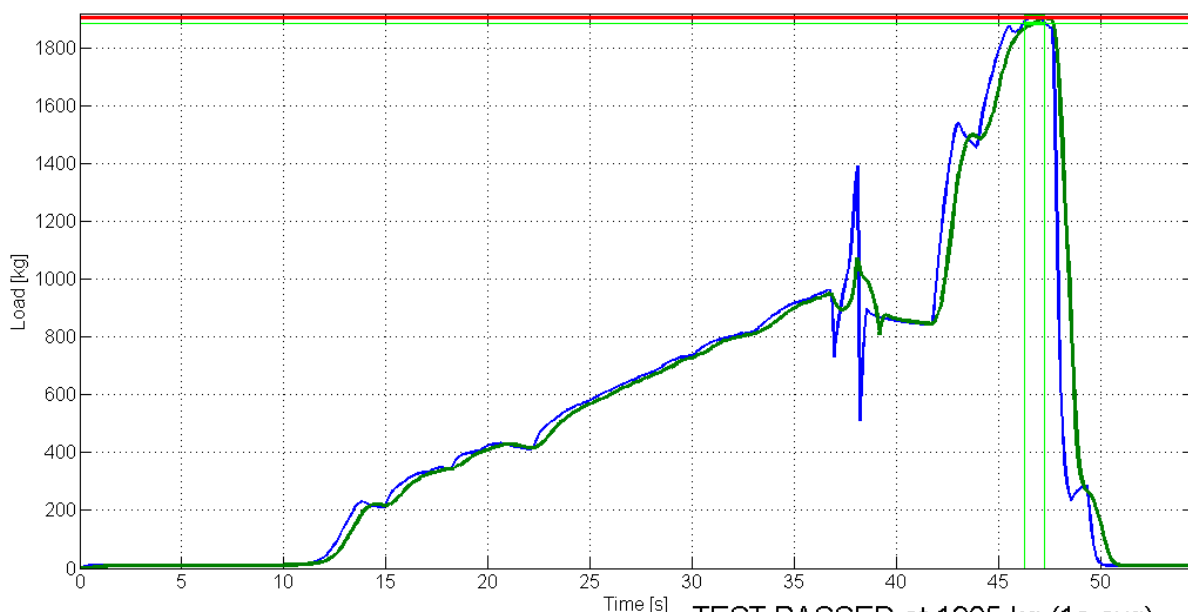


Test 2:

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

**Air Turquoise Homologations
LOAD DIAGRAM**

Route du Pré-au-Comte 8
CH-1844 Villeneuve
021 965 65 65 / info@airturquoise.ch



BGD main1 to pass2

TEST PASSED at 1905 kg (1s avg)
01/10/2013 - 17:07

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

Tested successfully

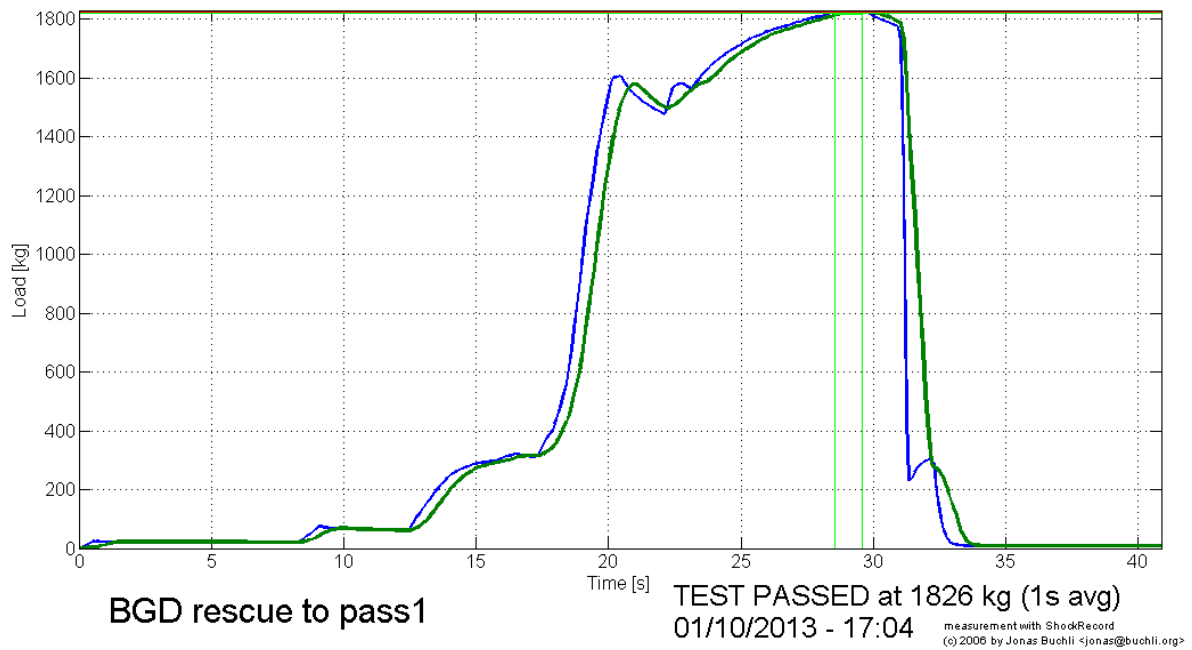


Test 3:

The load has been induced from rescue attachment.

**Air Turquoise Homologations
 LOAD DIAGRAM**

Route du Pré-au-Comte 8
 CH-1844 Villeneuve
 021 965 65 65 / info@airturquoise.ch



Tested successfully



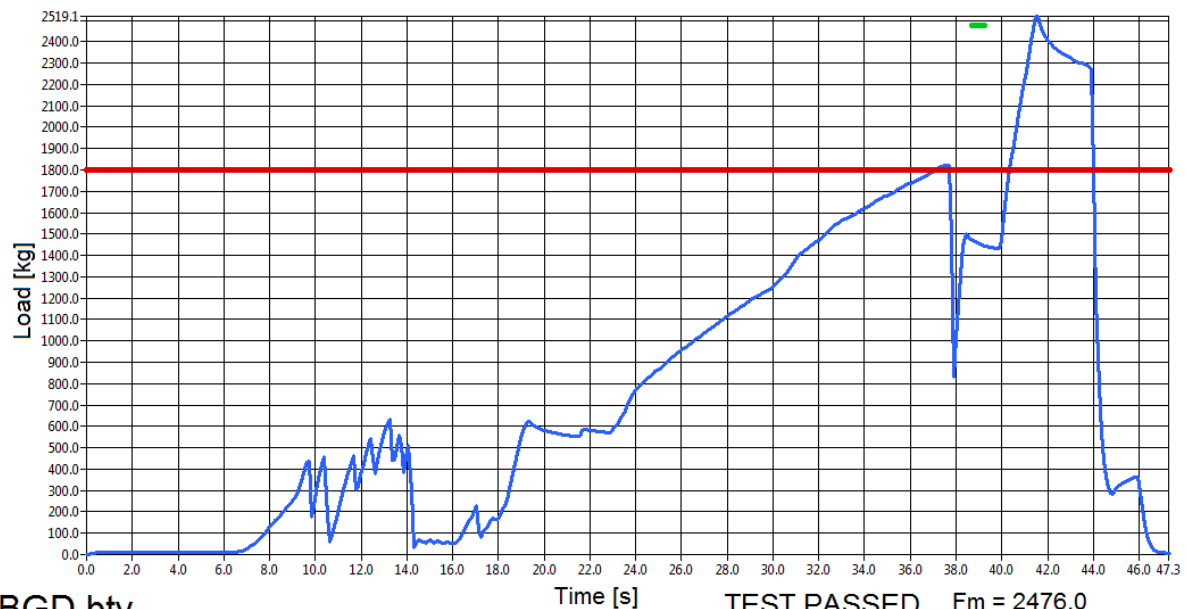
Test 4:

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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 CH-1844 Villeneuve
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BGD btv
 Test Load [kg] = 1800

TEST PASSED Fm = 2476.0

01/10/2013 - 17:18

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

Nothing was broken, all structure stay in one piece

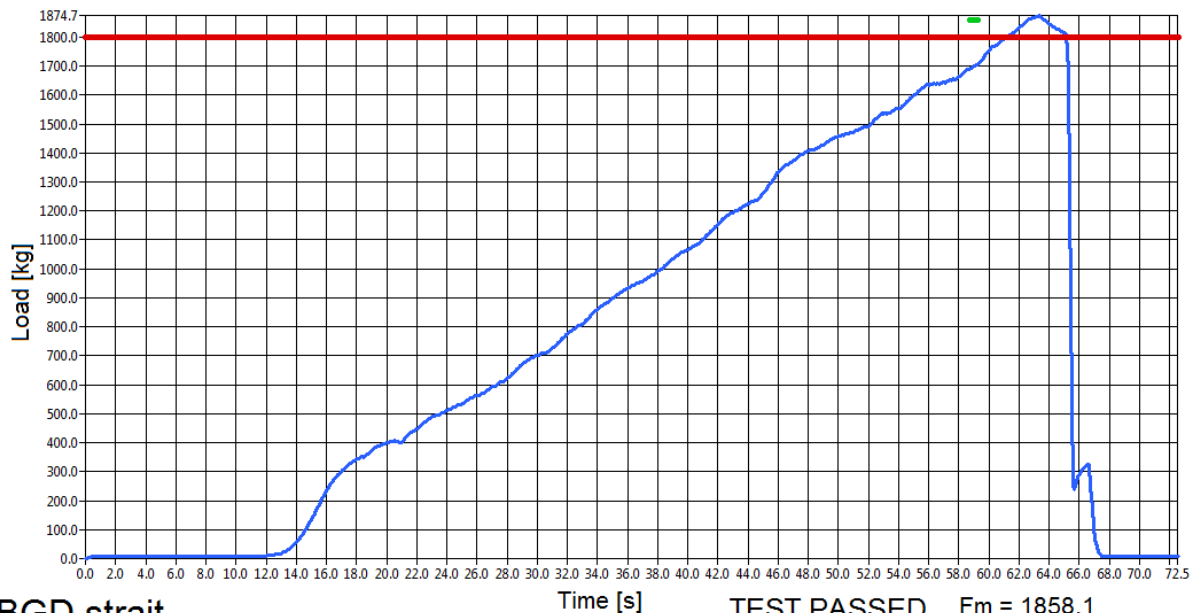


Test 5:

This test is not according to the standard, it is only for information.
 The load has been induced from the main attachment to the passenger side.

**Air Turquoise Homologations
 LOAD DIAGRAM**

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



BGD strait
 Test Load [kg] = 1800

TEST PASSED Fm = 1858.1
 01/10/2013 - 17:16

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

Nothing was broken, all structure stay in one piece

