



Deutscher Hängegleiterverband e.V. im DAeC
DHV-Technikreferat
 LBA-anerkannte Prüfstelle für Hängegleiter und Gleitsegel

GS TESTFLUG LTF 2009 GIN_FUSE

Test No 026501-GSTF09-617-Sesi
Test date 01.04.2014
Location Achensee / Rofan
Type GIN_Fuse
Test type GS Testflug LTF 2009
Test order Auftrag GS Musterprüfung GIN_Fuse (GIN Gliders INC.)
Customer GIN Gliders INC.
Test standard LTF NFL II-91/09
Test standard 2 EN 926-2:2005
Expert Mackrodt
Result positive
Billing to: 100%
Technical peculiarities

Datum / Unterschrift (Sebastian Mackrodt)

RESULTS

PG test flight (general)

Take off weight [kg] 110
Weight limit for certification [kg] 110
Number of pilots 1
test pilot Sebastian Mackrodt
Harness type Acro T
Harness category Biplace
Minimum speed [km/h] 22
Trim speed [km/h] 33
Accelerated speed [km/h] 40
Accelerator used? No
Trimms -

en : Klassifizierung

en : Klassifizierung C

EN : ERGEBNISDETAILS NACH LTF 2009

1 Inflation/take-off **A**

Rising behaviour Smooth, easy and constant rising
Special take off technique required No

2 Landing **A**

Special landing technique required No

3 Speeds in straight flight **A**

Trim speed more than 30 km/h Yes
Speed range using the controls larger than 10 km/h Yes
Minimum speed Less than 25 km/h

4 Control movement **A**

Symmetric control pressure Increasing
Symmetric control travel Greater than 65 cm

5 Pitch stability exiting accelerated flight

Not carried out because the glider is not equipped with an accelerator

6 Pitch stability operating controls during accelerated flight

Not carried out because the glider is not equipped with an accelerator

7 Roll stability and damping **A**

Oscillations Reducing

8 Stability in gentle spirals **A**

Tendency to return to straight flight Spontaneous exit

9 Behaviour in a steeply banked turn **A**

Sink rate after two turns Up to 12 m/s

10.1 Symmetric front collapse **A**

Entry Rocking back less than 45°
Recovery Spontaneous in less than 3 s
Dive forward angle on exit Dive forward 0° to 30°
Change of course Keeping course
Cascade occurs No

10.2 Symmetric front collapse in accelerated flight

Not carried out because the glider is not equipped with an accelerator

11 Exiting deep stall (parachutal stall) **A**

Deep stall achieved Yes
Recovery Spontaneous in less than 3 s
Dive forward angle on exit Dive forward 0° to 30°
Change of course Changing course less than 45°
Cascade occurs No

12 High angle of attack recovery **A**

Recovery Spontaneous in less than 3 s
Cascade occurs No

13 Recovery from a developed full stall **A**

Dive forward angle on exit Dive forward 0° to 30°
Collapse No collapse
Cascade occurs (other than collapses) No
Rocking back Less than 45°
Line tension Most lines tight

14.1 Asymmetric collapse 45-50% **A**

Change of course until re-inflation Less than 90°
Maximum dive forward or roll angle Dive or roll angle 0° to 15°
Re-inflation behaviour Spontaneous re-inflation
Total change of course Less than 360°
Collapse on the opposite side occurs No
Twist occurs No

Cascade occurs No

14.2 Asymmetric collapse 70-75% **C**

Change of course until re-inflation Greater than 360°

Maximum dive forward or roll angle Dive or roll angle 15° to 45°

Re-inflation behaviour Inflates in less than 3 s from start of pilot action

Total change of course Greater than 360°

Collapse on the opposite side occurs No

Twist occurs No

Cascade occurs No

14.3 Asymmetric collapse 45-50% in accelerated flight

Not carried out because the glider is not equipped with an accelerator

14.4 Asymmetric collapse 70-75% in accelerated flight

Not carried out because the glider is not equipped with an accelerator

15 Directional control with a maintained asymmetric collapse **A**

Able to keep course Yes

180° turn away from the collapsed side possible in 10 s Yes

Amount of control range between turn and stall or spin More than 50 % of the symmetric control travel

16 Trim speed spin tendency **A**

Spin occurs No

17 Low speed spin tendency **A**

Spin occurs No

18 Recovery from a developed spin **A**

Spin rotation angle after release Stops spinning in less than 90°

Cascade occurs No

19 B-line stall **A**

Change of course before release Changing course less than 45°

Behaviour before release Remains stable with straight span

Recovery Spontaneous in less than 3 s

Dive forward angle on exit Dive forward 0° to 30°

Cascade occurs No

20 Big ears **B**

Entry procedure Dedicated controls

Behaviour during big ears Stable flight

Recovery Recovery through pilot action in less than a further 3 s

Dive forward angle on exit Dive forward 0° to 30°

21 Big ears in accelerated flight

Not carried out because the glider is not equipped with an accelerator

22 Behaviour exiting a steep spiral **A**

Tendency to return to straight flight Spontaneous exit

Turn angle to recover normal flight Less than 720°, spontaneous recovery

Sink rate when evaluating spiral stability [m/s] 14

23 Alternative means of directional control**A****180° turn achievable in 20 s** Yes**Stall or spin occurs** No**24 Any other flight procedure and/or configuration described in the user's manual**

No other flight procedure or configuration described in the user's manual

Sprachmodul [default](#)
Sprachmodul [default_constants](#)
Sprachmodul [default_dhv](#)
Sprachmodul [default_tmo](#)
Sprachmodul [erg_flusi](#)
Sprachmodul [tmo_pruefungen](#)
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