

BGA glider data sheet - Nimbus 3 & 3T (single seat)

Data source: Flight Manual

Date of issue: 1982 Turbo version 1985

Manufacturer: Schempp Hirth, Flugzeugbau GmbH, Postfach 1443, D-73222 Kirchheim/Teck, Germany
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Weighing Data:

	Kg	Pounds
Max weight (with water)	750	1653
Max landing weight	750	1653
Max pilot weight (seat load)	110	242
Max weight of non-lifting components non Turbo	250	551
BGA concession non-aerobatic max weight of non-lifting components [+5%] non Turbo	262.5	579
Max weight of non-lifting components Turbo	300	661
	mm	Inches
Forward C of G limit (aft of datum)	270	10.63
Aft C of G limit (aft) non-Turbo	390	15.35
Aft C of G limit (aft) Turbo	385	15.2
Pilot position (forward of datum)	596	23.46

Control deflections in mm

See manufacturer's handbook.

Caution, control deflections differ between models, ensure that you have the correct handbook for your glider.

Max fore & aft play of wing tip 30mm

Longitudinal datum: Wing root LE root rib. Horizontal datum: Rear fuselage top 1000:45 tail down

Maximum speeds

	Knots	Kph
VNE	146	270
Rough air	108	200
Aerotow	97	180
U/C down	97	180
Winch / auto tow	81	150
Flaps down & neutral	86	160

Controls Weights

See manufacturer's handbook.

Caution, control weight limits differ between models, ensure that you have the correct handbook for your glider.

Turbo	Knots	Kph
Rough air	102	190
Manoeuver	102	190
Engine out	86	160

Max winch weak link: Brown

Tyre pressure: Main 71 psi (5 Bar) Tail 50 psi (3,5 Bar)

Non-Turbo semi aerobatic but intentional spinning prohibited. Cloud flying permitted without water ballast.

Turbo non-aerobatic. Cloud flying permitted without water ballast.

Brake fluid SAE - J 1703 or US specification FMVVS 116, DOT 3 resp. DOT 4

Distance main wheel behind datum (a) 63mm. Main wheel to tail skid (b) 5046mm.

This sheet compiled by: Tim Macfadyen

Date: 14 May 2002

Updated 25 April 2011 Control deflection and balance data removed due to variations between models.

Updated 8 May 2012 Aft C of G limit for Turbo corrected, winch weak link corrected.

Updated 5 July 2015 BGA concession max weight of non-lifting components for non-Turbo added.