

BGA glider data sheet - T.21b (Sedberg)

Data source: Flight Manual

Date of issue:

Manufacturer: Slingsby

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Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	476	1050
BGA concession non-aerobatic max weight (dry) [+3%]	491	1082
Max pilot weight (max seat load on each seat)	102	225

Control deflections in inches

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	5.4 ±0.25	3.6 ±0.25	Measured at root	
Elevator	7.6 ±0.25	7.6 ±0.25	Measured at root	
Trim				
Rudder	Left 15 ±1	Right 15 ±1	At TE	
Spoiler	7.5 ±1*	Measure from TE top of spoiler to back top of cut-out in wing (spoilers fully open).		
*½ inch max difference between wings.				

mm inches

Forward C of G limit (aft of datum)	597	23.5
Aft C of G limit (aft of datum)	775	30.5
Pilot position (aft of datum)	32	1.25

Longitudinal datum: Wing root LE

Horizontal datum: Top longeron of rear fuselage horizontal.

Maximum speeds

	Knots	Kph
VNE	92	170
Rough air	65	120
Manoeuvre	65	120

	Knots	Kph
Aerotow	65	120
Winch / auto tow	55	102
Spoilers open		

Max winch weak link standard hook: 1000 lb (BGA figure 500 Kg Tost white)

Max winch weak link with BGA belly hook modification: 600 Kg (Tost blue)

Tyre pressure: 43 - 47 psi

Semi aerobatic - Cloud flying permitted

Notes: -

Span 16.5 meters

This sheet compiled by: Tim Macfadyen

Last update 2 Nov 2007 Pilot position in mm corrected

Previous update 20 Oct 2006 Belly hook Mod. info added