

BGA glider data sheet ASW 15A (See separate sheet for ASW 15B)

Data source: Flight & Operational Manual

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Weighing Data:

	Kg	Pounds
Max weight (dry)	318	700
BGA concession non-aerobatic max weight (dry) [+3%]	327	721
Max weight with water		
Max landing weight		
Max weight of non lifting components (everything except wings)	198	437
BGA concession non-aerobatic max weight of non lifting components [+5%]	208	459
Max pilot weight (seat load)	110	242

mm Inches

Forward C of G limit (aft of datum)	220	8.66
Aft C of G limit (aft of datum)	380	14.96
Pilot position (forward of datum)		

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	85 ±10	50 ±5	200	
Elevator	60 ±10	55 ±5	340	
Trim				
Rudder	Left 210 ±20	Right 210 ±20	490	
Airbrakes				

The cockpit airbrake lever must be in the same position ±5mm with each airbrake connected separately (& locked). Min 5 mm surplus forward travel of the cockpit lever.

Longitudinal datum: Wing root LE (not the fairing).

Horizontal datum: Rear fuselage top 1000:50 tail down

Maximum speeds

	Knots	Kph
VNE	119	220
Rough air	81	150
Manoeuvre	81	150

	Knots	Kph
Aerotow	81	150
Winch / auto tow	59	110

Max winch weak link: 500kg (Tost white) BGA concession 600 Kg (Tost blue)

Tyre pressure: 37-40 psi 2.6-2.8 Bar

Semi aerobatic and cloud flying permitted without water ballast

Notes: -

Excess play at the wing-root to fuselage junction can cause major tailplane oscillations at high speed.

This sheet compiled by: Tim Macfadyen 24 August 2005

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