

BGA glider data sheet - Olympia 1, 2, 2b & 3

Data source: BGA Data sheet & EoN rigging drawing & sales brochure Date of issue: 1947

Manufacturer: Elliotts of Newbury (These types were designated the EoN Type 5)

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight	304	670
BGA concession non-aerobatic max weight [+3%]	313	690
Max pilot weight (seat load)		

	mm	inches
Forward C of G limit (aft of datum)	203	8
Aft C of G limit (aft of datum)	381	15
Pilot position (forward of datum)	431	17

Control deflections in mm

	Up	Down	Distance - hinge to measuring point
Ailerons*	135/147	55/74	320
Elevator	157/173	157/173	420
Trimmer	34/39	34/39	
Rudder	Left & Right 375/398		750

*Aileron droop (inboard end TE) 8mm max.

The brakes must close simultaneously. Levers must pass a minimum of 3mm over dead centre simultaneously.

Longitudinal datum: 7.9 inches (200mm) forward of frame 10 rear face.

Horizontal datum: Fuselage top between front and rear wing attachment points horizontal.

Maximum speeds

	Knots	Kph
VNE	110	204
Rough air	65	120
Manoeuvre		

	Knots	Kph
Aerotow	60	111
Winch / auto tow	55	102
Airbrakes open	110	204

Max winch weak link: 1000 LB (BGA figure 500-Kg white)

Tyre pressure: 36 psi

Semi aerobatic - Cloud flying permitted

Notes: -

Some Oly 2b gliders, it is believed those with a double tailplane fixing, originally had a VNE of 120 knots, some may also have had a VRA of 80 knots. In 2004 the BGA Technical Committee decided to standardise all models at 110 knots VNE and 65 knots VRA.

The longitudinal datum is 200mm forward of the rear face of frame 10. BGA data has previously quoted the front face in error.

Elliotts production started in 1947 with the Oly 1 (wooden skid U/C), Oly 2 (wheel and skid) and Oly 3 (jettisonable U/C). From production number EON/O/107 the Oly 2b was produced with various mods, including the double tailplane fixing to minimise the risk of ground handling damage. About 150 Olys were produced in total.

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