

## BGA glider data sheet - Oly 460 and 463

Data source: The world's Sailplanes Vol 2 (1983), BGA data sheet & EoN rigging drawing

Manufacturer: Elliots of Newbury (EoN)

UK Agent:

Web site:

Phone:

Fax:

Link to mandatory mods:

### Weighing Data:

	Kg	Pounds
Max weight (dry)	286	630
BGA concession non-aerobatic max weight (dry) [+3%]	294	649
Max pilot weight (seat load)		
	mm	Inches
Forward C of G limit (forward of datum)	38	1.5
Aft C of G limit (aft of datum)	71	2.8
Pilot pos forward (BGA No 1150)	533	21
Pilot pos forward (serial No 020)	571	22.5
Pilot pos forward (serial No 021 on)	610	24

### Control deflections

	Up	Down	Distance - hinge to measuring point
Ailerons	93mm	44mm	
Elevator	150mm	150mm	
Trim	30/32°	10/12°	
Rudder	Left & right 375mm		
Airbrakes	Fully open 140/152 mm from wing surface to most remote part of paddle. Max difference 5 mm.		

Longitudinal datum: Centre of main spar

Horizontal datum: Upper surface of rear fuselage longeron.

### Maximum speeds

	Knots	Kph
VNE	117	216
Rough air	78	144
Manoeuvre		

	Knots	Kph
Aerotow	83	154
Winch / auto tow	66	122
Airbrakes open		

Max winch weak link: 500 Kg (White)

Tyre pressure: Main psi (Bar)

Semi aerobatic. Cloud flying permitted.

### Notes: -

The Oly 460 was the designation of the prototypes. They had fabric covered rear fuselage tops. The 463 was the production version (which came out in 1963), it has a glass fibre rear fuselage top. The Oly 465 had a thinner wing and strengthened spar. Only 2 were made (for the 1965 world championships).

All the above data applies to the 460 & 463. Some may apply to the 465.