

BGA glider data sheet - Oly 419

Data source: The world's Sailplanes Vol 2 & BGA & FAA data

Date of issue: 1963

Manufacturer: Elliotts of Newbury

UK Agent:

Web site:

Phone:

Fax:

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	408	900
BGA concession non-aerobatic max weight (dry) [+3%]	420	927
Max pilot weight (seat load)		
	mm	Inches
Forward C of G limit* (aft of datum)	282	11.1
Aft C of G limit* (aft of datum)	423	16.65
Pilot position forward	914 - 991	36 - 39

Control deflections in degrees

	Up	Down	Max free play
Ailerons	29°	10°	
All moving tailplane	8°	10°	
Elevator trim tab	15°	15°	
Elevator geared tab	16°	20°	
Rudder	Left & right 25°		
The FAA web site quotes the Aileron deflections as 25° up & 11° down.			

Longitudinal datum: Wing root LE

Horizontal datum: Straight edge across main-plane joint pins at main & rear spar joints.

* The FAA web site quotes a C G range of +2.64" to +6.0" with datum as the centre line of the main spar.

Maximum speeds

	Knots	Kph
VNE	100	185
Rough air	75	140
Manoeuvre		

	Knots	Kph
Aerotow	60	111
Winch / auto tow	60	111
Airbrakes open		

Max winch weak link: 600 Kg (Blue)

Tyre pressure: Main psi (Bar), rear psi (bar)

Semi aerobatic, cloud flying permitted

Notes: -

Span 18.9 meters