

BGA glider data sheet - Sky

Data source: The World's Sailplanes Vol 1 (1962), BGA Data and Manufacturer's handbook.

Manufacturer: Slingsby

Weighing Data:

	Kg	Pounds
Max weight	385	850
Max pilot weight (seat load)	100	220
	mm	
Forward C of G limit (aft of datum)	376	
Aft C of G limit (aft of datum)	470	
Pilot position (forward of datum)	441	

Control deflections mm

	Up	Down	Measuring point
Ailerons	142 ± 5	71.5 ± 5	TE inboard end
Elevator	195 ± 10	210 ± 10	
Trim	36.5 ± 6.5 up & down		
Rudder	Left & right 315 ± 35		TE max chord
Airbrakes	365 ± 20 At brake top to back of brake box		

Longitudinal datum: Wing root LE at rib

Horizontal datum: Rear fuselage top level

Cable tensions - Ailerons 25 – 30 lbs Elevator 40 – 50 lbs

Maximum speeds using the pitot static tube on the nose

	Knots	Kph
VNE	98	182
Rough air	63	117

	Knots	Kph
Aerotow	63	117
Winch / auto tow	56	104

Maximum speeds using a pot pitot & nose static side vents

	Knots	Kph
VNE	98	182
Rough air	63	117

	Knots	Kph
Aerotow	74	137
Winch / auto tow	63	117

Max winch weak link: 500 Kg (White)

Tyre pressure: 38 – 42 psi

Semi aerobatic, Cloud flying permitted

Notes: -

Span 18 Meters

Max weight – A letter from Slingsbys that was approved at the BGA Tech Committee meeting of 9/9/1958 increased the AUW from 800 to 850 lb.

This sheet compiled 22 May 2002 by: Tim Macfadyen

Extensively updated 6 Nov 2024 with data from Slingsby's handbook and historic info from Mark Wakem