

BGA glider data sheet - T53B & YS53 Sovereign

Data source: BGA data sheet

Date of issue:

Manufacturer: Slingsby Sailplanes & Yorkshire Sailplanes

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight - Non aerobatic	583	1285
Max weight - Semi aerobatic	526	1160
Max weight of non lifting components (everything except wings)		
BGA concession non-aerobatic max weight of non lifting components [+5%]		
Max pilot weight (seat load)		

mm Inches

Forward C of G limit (forward of datum)	76	3.00
Aft C of G limit (aft of datum)	113	4.47
Front pilot position (forward)	1519	59.80
Rear pilot position (forward)	217	8.56

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons				
Elevator				
Rudder				

Longitudinal datum: Wing root LE 11.6 inches from fuselage centre line

Horizontal datum:

Maximum speeds

	Knots	Kph
VNE	123	228
Rough air	80	148
Manoeuvre		

	Knots	Kph
Aerotow	80	148
Winch / auto tow	70	130
Airbrakes open		

Max winch weak link: 750 kg (Red)

Tyre pressure: Main psi (Bar)

Semi aerobatic at 1160 lb max, cloud flying permitted

Type: Aluminium 2 seater

This sheet compiled by: Tim Macfadyen

Date: 13 March 2003