

## BGA glider data sheet - BG 135 (Gypsy) & YS 55 (Consort)

Data source:

Date of issue:

Manufacturer: Birmingham Guild (Prototype BG 135), Yorkshire Sailplanes (YS 55 Consort)

Link to mandatory mods:

### Weighing Data:

	Kg	Pounds
Max weight	297	655
BGA concession non-aerobatic max weight (dry) [+3%]	306	675
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 (aft of datum)	175	6.9
Aft C of G limit (aft of datum)	279	11.0
Pilot position (forward)	430 - 508	17 - 20

### Control deflections in mm

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

Longitudinal datum: Wing root LE at rib

Horizontal datum:

### Maximum speeds

	Knots	Kph
VNE	116	215
Rough air	75	139
Manoeuvre		

	Knots	Kph
Aerotow	75	139
Winch / auto tow	65	120
Airbrakes open		

Max winch weak link: 600 kg (Blue)

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

Semi aerobatic

The BG 135 & YS 55 Consort are V tailed, 13.5 meters span. The SD 15T is a 15 meter T tail development, see separate data sheet.

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