

## BGA glider data sheet - Skylark 4 (T.50)

Data source: Pilot's Notes

Date of issue:

Manufacturer: Slingsby

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### Weighing Data:

	Kg	Pounds
Max weight	377	830
BGA concession non-aerobatic, non-cloud flying max weight * see note below	399	880
Max pilot weight (seat load)	115	253
*The non-aerobatic non-cloud flying max weight was increased by Manufacturer's calculations and BGA approved in 1970. See TNS 09/70		

mm      inches

Forward C of G limit (aft of datum)	293	11.52
Aft C of G limit (aft of datum)	420	16.55
Pilot position (forward of datum)	571	22.5

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage +top 42.5:1000 tail down (2.4°)

### Maximum speeds

	Knots	Kph
VNE	123	228
Rough air	76	141
Manoeuvre	76	141

	Knots	Kph
Aerotow	76	141
Winch / auto tow	76	141
Airbrakes open	123	228

Max winch weak link: 1000 lb (BGA figure 600 Kg Tost blue)

Tyre pressure: Main 40 - 50 psi

Semi aerobatic - Cloud flying permitted

Span 18.2 meters

### Control deflections in mm

	Up	Down	Measuring point
Ailerons	96 ±5	37 ±2	Inboard TE (5±2mm droop)
Elevator	187 ±10	145 ±10	Inboard TE
Trim	40 min	40 min	TE
Rudder	Left 375 +15 -0	Right 375 +15 -0	Extreme TE
Airbrakes	130 min		

Aileron cable tension 25-30 lb

Elevator cable tension 40-50 lb

This sheet compiled by: Dave Bullock & Tim Macfadyen      Date: 6 November 2001

Amended, to increase non-aerobatic AUW in line with TNS 09/70, Dave Bullock & Tim Macfadyen 23/6/2017