

BGA glider data sheet - Skylark 3 B & D

Data source: Flight Manual

Date of issue: 1957

Manufacturer: Slingsby

Phone: 01751 432474

Fax: 01751 431173

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	358	790
BGA concession non-aerobatic max weight (dry) [+3%]	369	814
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)	293	11.52
Aft C of G limit (aft of datum)	420	16.55
Pilot position (forward)	612	24.1
Parachute position (forward)	282	11.1

Control deflections in mm

	Up	Down	Measuring point
Ailerons	134 ±5	50 ±5	Inboard TE (5±2mm droop)
Elevator	240 ±10	240 ±10	Inboard TE
Trim	65 min	65 min	
Rudder	Left 375 min	Right 375 min	
Airbrakes	130 min		
Aileron cable tension 25-30 lb			
Elevator cable tension 40-50 lb			

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage top 16:1000 rear down (0.9°)

Maximum speeds

	Knots	Kph
VNE Skylark 3B	108	200
VNE Skylark 3D	118	218
Rough air	71	131
Manoeuvre	71	131

	Knots	Kph
Aerotow	71	131
Winch / auto tow	71	131
Airbrakes open Skylark 3B	108	200
Airbrakes open Skylark 3D	118	218

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

Tyre pressure: Main 35 - 40 psi

Semi aerobatic - Cloud flying permitted

Notes: -

Span 18.2 meters

This sheet compiled by: Dave Bullock & Tim Macfadyen Date: 5 November 2001