

BGA glider data sheet - Club Astir III, IIIb & Std Astir III

Data source: Manufacturer's Handbook

Date of issue: Jan 1981/1983

Manufacturer: Grob Present Type Certificate holder: LTB Lindner, website www.ltb-lindner.com.

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Link to mandatory mods: www.ltb-lindner.com/g-102-ad-sb.html

Weighing Data:

	Kg	Pounds
Max weight (dry)	380	838
BGA concession non-aerobatic max weight (dry) [+3%]	391	863
Max weight with water (Std) No water in the Club III & IIIb	450	992
Max landing weight		
Max weight of non lifting components (everything except wings)	250	551
BGA concession non-aerobatic max weight of non lifting components [+5%]	262	579
Max pilot weight (seat load)	110	242

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	67/83	38/50	168	
Elevator	60/72	53/65	166	
Rudder	Left & Right 182/197		370	

Control surface weights & moments

	Moment cm Kg	Weight Kg
Elevator	12,1 ±10%	2,6±12%
Rudder	8,0 + 4% - 15%	5,6 + 8% - 10%
Ailerons serial numbers 5501 to 5529	8,0 + 8% - 15%	4,8 ± 15%
Ailerons serial numbers 5530 onwards	10,6 + 4% - 15%	4,0 ± 15%

C of G limits mm Inches

	mm	Inches
Forward C of G limit (aft of datum)	310	12.2
Aft C of G limit (aft of datum)	480	18.90
Pilot position (forward of datum)	552	21.73

Longitudinal datum: Wing root LE (not the fairing). Horizontal datum: Rear fuselage top 1000:43.3 tail down

Maximum speeds

	Knots	Kph		Knots	Kph
VNE	135	250	Winch / auto tow	65	120
Rough air	92	170			
Manoeuvre	92	170			
Aerotow	92	170			

VNE at altitude - feet	Knots	Kph
6500-10000	128	237
10000-13000	121	225
13000-16500	115	213
19000 +	109	202

Max winch weak link: 550 Kg (BGA figure blue, 600Kg)

Tyre pressure: 36 PSI 2.5 bar. All wheels.

Semi aerobatic, cloud flying permitted without water.

Notes: -

The Club III has a nose wheel, fixed main wheel & tail wheel. The Club IIIb has a fixed main wheel & tail wheel. The Standard III has a retracting main wheel and water ballast. The Club versions do not have water ballast.

The standard 8,6 Kg ballast weight on the left of the stick reduces minimum pilot weight by 15 Kg.

This sheet compiled by: Tim Macfadyen

Previous update 31 Dec 2007 (Minor clarifications)

Last update 29 May 2011 Type Certificate holder changed & rough air speed reduced as per the TCDS