

BGA glider data sheet - Club Astir II & Std Astir II

Data source: Manufacturer's Handbook

Date of issue: Feb 1980

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	450	992
Max landing weight		
Max weight of non lifting components (everything except wings)	240	529
BGA concession non-aerobatic max weight of non lifting components [+5%]	252	556
Max pilot weight (seat load)	110	242

C of G limits

mm Inches

Forward C of G limit (aft of datum)	310	12.2
Aft C of G limit (aft of datum)	460	18.11
Pilot position (forward of datum)	633	24.92

Longitudinal datum: Wing root LE (not the fairing).

Horizontal datum: Rear fuselage top 1000:43.3 tail down

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	75 ±8	38 ±4	150	
Elevator	66 ±6	59 ±6	166	
Rudder	Left & Right 170+5 -10		320	

Control surface moments & weights

	Moment cm Kg	Weight Kg
Elevator	13,0 +3,5% -4,2%	3,0±12%
Rudder	0 - 6	4,5±10%
Ailerons	0 ± 1	6,1±10%

Maximum speeds

	Knots	Kph		Knots	Kph
VNE	135	250	Winch / auto tow	65	120
Rough air	135	250	Airbrakes open	135	250
Manoeuvre	92	170	U/C down	135	250
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: Club Astir II, 36 PSI 2.5 bar. Std Astir II, 50 PSI 3.5 bar (tail wheel 22-26 psi)

Semi aerobatic and cloud flying permitted (without water).

This sheet compiled by: Tim Macfadyen

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Last update 21 April 2011 Type Certificate holder changed