

BGA glider data sheet - Astir CS

Data source: Manufacturer's Handbook Date of issue: Aug 1975 and TCDS, 2011 issue

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 with water (Dump water before landing.)	450	992
Max weight dry	380	838
BGA concession non-aerobatic max weight (dry) [+3%].	391	863
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

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	93 ±10	48 ±5	215	
Elevator	60±6	54 ±6	170	
Rudder	Left 180 ±10	Right 180 ±10	310	

Control surface moments & weights

	Moment cm Kg	Weight Kg
Elevator	10,00-15,00	2,40-3,25
Rudder	13.65±10%	3.2±10%
Ailerons	16.0 ±12%	4.1±12%

C of G limits (aft of datum)

	mm	Inch
Forward C of G to serial No 1437	250	9.84
Forward C of G serial No 1438 & on	310	12.20
Aft C of G limit up to serial No 1437	425	16.70
Aft C of G limit serial No 1438 & on	480	18.90
Pilot position (forward of datum)	475	18.70

Longitudinal datum: Wing root LE (not the fairing). Horizontal datum: Rear fuselage top 1000:40 tail down

Maximum speeds

	Knots	Kph
VNE	135	250
Rough air	92	170
Manoeuvre	92	170
Aerotow	92	170

	Knots	Kph
Winch / auto tow	65	120

Max winch weak link:550 Kg (BGA figure blue, 600Kg) Tyre pressure:36 PSI 2.5 bar (tail wheel 22-26 psi)

Semi aerobatic and cloud flying permitted (without water).

1 Kg of nose weight is equivalent to 2.28 Kg of pilot weight.

Tailplane front mounting ball. Locking plate must go at least 3 mm further up with TP removed than with TP fitted. Oversize balls are available 20-21,2 mm diameter in 0,2 stages.

This sheet compiled by: Tim Macfadyen

Date: 22 January 2002

Update 21 April 2011 Type Certificate holder changed

Update 24 April 2011 Elevator mass balance and weight limit changed as SB 306-34

Update 29 May 2011 Max weight dry & Max rough air speed changed in line with the TCDS

Last update 12 June 2011 Max weight dry corrected in line with the TCDS