

BGA glider data sheet - Speed Astir II & Speed Astir II B

Data source: Manufacturer's Handbook

Date of issue: Oct 1979

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	515	1135
Max weight (dry)	400	882
BGA concession non-aerobatic max weight (dry) [+3%]	412	908
Max pilot weight (seat load)	110	242
Max weight of non-lifting components (everything except wings)	260	573
BGA concession non-aerobatic max weight of non-lifting components [+5%]	273	602

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons Flap 0°	55 ±6	27 ±3	150	
Elevator	66 ±6	59 ±6	166	
Flaps	26±3 set at -7°	37±4 set at +10°	200	
Rudder	Left & Right 170+5 -10		320	

Control surface moments & weights

	Moment cm Kg	Weight Kg
Elevator	7,6 ± 5%	3,8 ± 12%
Rudder	9,0 ± 12%	3,0 ± 12%
Ailerons	3,3 + 8% - 12%	6,1 ± 12%
Flaps	32 ± 12%	4,2 ± 12%

C of G limits (aft of datum) mm Inches

Up to serial 4038	Forward C of G limit	320	12.60
	Aft C of G limit	490	19.29
From serial 4039 on	Forward C of G limit	265	10.43
	Aft C of G limit	435	17.13
Pilot position (forward) Speed Astir II		578	22,8
Pilot position (forward) Speed Astir II B		620	24,4

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	146	270	Winch / auto tow	65	120
Rough air	102	190			
Manoeuvre	102	190			
Aerotow	92	170	Positive flap	102	190

VNE at altitude - feet	Knots	Kph
6500-10000	137	256
10000-13000	130	243
13000-16500	124	230
19000 +	117	218

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

Tyre pressure: 50 PSI 3.5 Bar (tail wheel 22-26 psi)

Semi aerobatic and cloud flying permitted (without water).

The Speed Astir IIB was made from serial no. 4028, this changed and elongated the forward fuselage.

This sheet compiled by: Tim Macfadyen

Previous update: 31 Dec 2007 (minor clarifications)

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