

BGA glider data sheet - Astir CS77 & Jeans

Data source: Manufacturer's Handbook

Date of issue:

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

UK Agent: Soaring Oxford Email: soaring.oxford@virgin.net Phone: 01636 525318 Fax: 01636 525287

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 (CS 77) No water in the Jeans Astir	450	992
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)	480	18.9
Pilot position (forward of datum)	475	18.7

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 190 ±10	Right 190 ±10	374	

Control surface weights & moments

CS77 No 1601-1698 Jeans No 2001 - 2092	Moment cm Kg	Weight Kg
Elevator	10,00–15,00	2,40-3,25
Rudder	16.5±10%	4.5±10%
Ailerons	16.0 ±12%	4.1±12%
CS77 No 1699 on Jeans No 2093 on	Moment cm Kg	Weight Kg
Elevator	10,00-15,00	2,40-3,25
Rudder	0 – 5,00	Max 6,00
Ailerons	0 – 1,00	Max 6,00

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

	Knots	Kph
Aerotow	92	170
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). Water ballast to be jettisoned before landing.

This sheet compiled by: Tim Macfadyen

Date: 25 February 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 rough air speed reduced as per the TCDS

Updated 11 May 2015 "Water ballast to be jettisoned before landing" added & max landing weight clarified.