

BGA glider data sheet - LS 6a

Data source Manufacturers' handbooks Date of issue: 1984

Manufacturer: Rolladen-Schneider

UK Agent: McLean Aviation www.mcleanaviation.co.uk e.mail: mcleanaviation@aol.com Tel:-01904 738653

Weighing Data:

	Kg	Pounds
Max weight (dry)	380	838
BGA concession non-aerobatic max weight (dry) [+3%]	391	863
Max weight with water	525	1158
Max water	140	309
Max weight of non lifting components (everything except wings) see table in handbook for details	230 -245	507 - 540
BGA concession non-aerobatic max weight of non lifting components [+5%]	242 -257	532 - 567
Max pilot weight (seat load)	110	242
	mm	Inches
Forward C of G limit (aft of datum)	250	9.84
Aft C of G limit (aft of datum)	400	15.75
Pilot position (forward of datum) 143 lb pilot. See handbook for details	513	20.20

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons (with flaps set at +10)	14±1	14±1		2.8 mm
Elevator	29 ±1	23 ±1		2.4 mm
Airbrakes	105 ±5		At inner end	
Rudder	Left 28±2	Right 28±2		
Flaps	L +14 ±1 10 +9 ±1 5 4 ±1 0 -1 ±1 -5 -4 ±1			

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage bottom horizontal

Maximum speeds

	Knots	Kph
VNE	146	270
Rough air	108	200
Manoeuvre	108	200
Aerotow	108	200
Winch tow	75	140
Flaps + 5° & +10°	108	200
Flaps + 15°	86	160

Maximum speeds at altitude

Height feet	VNE Knots	Height meters	VNE Kph
0-6600	146	0-2000	270
<10 000	139	<3000	257
<20 000	118	<6000	219
<33 000	93	<10000	173

Control weights & moments

	Weight Kg	Moment Kgcm
Elevator	1.00-1.60	3.63-4.44
Rudder	3.8-4.22	± 1.33
Inner aileron	2.61-3.33	9.85-13.93
Outer Aileron	1.37-1.74	3.74-5.28

Max winch weak link: 800 Kg (Tost red)

Tyre pressure: main 43 - 50 psi Tail 36 - 50 psi

Semi aerobatic (without water-ballast). Cloud flying permitted

This sheet compiled by: Tim Macfadyen Date: 22 January 2002

Last update 5 May 2012: UK agent changed