

BGA glider data sheet - LS 6a

Data source Manufacturers' handbooks Date of issue: 1984

Manufacturer: Rolladen-Schneider

UK Agent: UK Agent: Navboys Web site www.Navboys.com Tel:- 01264 981934

Link to mandatory mods: <http://www.dg-flugzeugbau.de/tech-mitteilungen-e.html>

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

	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 ±5mm		At inner end	
Rudder	Left 28±2°	Right 28±2°		
Flaps L	+14 ±1° 10° 5° 0° -5°	+9 ±1° 4 ±1° -1 ±1° -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

Updated 19 April 2018 clarifying that control deflections are quoted in degrees not mm

Last update 18 Oct 2021: UK agent changed