

BGA glider data sheet - LS 3 (see separate sheet for LS 3A & LS 3-17)

Data source Manufacturers' handbooks Date of issue: 1977

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 with or without water	472	1041
Max weight of non lifting components (everything except wings)	240	529
BGA concession non-aerobatic max weight of non lifting components [+5%]	252	555
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) 155 lb pilot	530	20.9

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	55 ±5	40 ±5	278mm Flaps +10°	
Elevator	56 ±5	56 ±5	145mm	
Airbrakes	160± 10		At inner end	
Rudder	Left 185 ±10	Right 185 ±10	362mm	
Flaps	113 ±5		278 mm Set at -7°	

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage bottom horizontal

Maximum speeds

	Knots	Kph
VNE	146	270
Rough air	102	190
Manoeuvre	102	190
Aerotow	102	190

	Knots	Kph
Winch / auto tow	70	130
Airbrakes open	146	270
Flaps + 10°	102	190

Height feet	VNE Knots	Height meters	VNE Kph
0-6500	146	0-2000	270
<10 000	132	<3000	245
<13 000	119	<4000	221
<20 000	96	<6000	177
<26 000	77	<8000	143
<33 000	60	<10000	111

Max winch weak link: 600 Kg (Tost blue)

Tyre pressure: 43 - 50 psi

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

Notes: -The trim weights in front of the rudder pedals reduce min pilot weight by twice their own weight.

Load required to collapse undercarriage 12-15 Kg at joint above wheel. Replace gas strut if load is low.

The LS 3 has full span flaperons, the LS 3A has conventional flaps and ailerons.

This sheet compiled by: Tim Macfadyen Date: 22 Jan 2003

Last update 18 Oct 2021: UK agent changed