

BGA glider data sheet - DG 800S 15 & 18 meters

Data source: BGA data

Date of issue:

Manufacturer: Glaser-Dirks Flugzeugbau GmbH

Web site dgflugzeugbau.de

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 water	525	1157
Max weight of non-lifting components (everything except wings)		
BGA concession non-aerobatic max weight of non-lifting components [+5%]		
Max in baggage compartment	15	33
Max water		
Max pilot weight (seat load)	110	242
	mm	Inches
Forward C of G limit (aft of datum)		
Aft C of G limit (aft of datum)		
Pilot position (fwd) 70 Kg pilot		

Control deflections in mm

	Up	Down	Distance - hinge to measuring point
Ailerons (Flaps -5°)			
Elevator			
Flaps -15° -5° +15°			
Rudder			
Controls max free play (controls central)			

Longitudinal datum: Wing root LE.

Horizontal datum: Top of rear fuselage rear down

Max water in fin tank Kg (lb). This is mm aft.

The fin battery weighs kg (lb) and is mm aft. It increases min cockpit load by kg (lb).

The three Kg weights on the right of the panel each reduce min cockpit weight by Kg (lb).

Maximum speeds

	Knots	Kph
VNE	146	270
Rough air	103	190
Manoeuvre	103	190
Aerotow	103	190

	Knots	Kph
Winch / auto tow	81	150
Flaps +5 & +10	103	190
Landing flap +15	81	150
U/C raising or lowering	103	190

VNE at altitude	Knots	Kph
0-6600 feet	146	270
6600-10 000	138	256
10 000-13 000	131	243
13 000-16 000	124	230
16 000-20 000	117	218

Notes: -

Max winch weak link: 680 Kg (Blue)

Tyre pressure: Main 46 psi (3.3 bar), rear 28 psi (2 bar)

Semi aerobatic without water. Cloud flying permitted.

Wing oscillation frequency at 15 meters and at 18 meters. Glider rigged and resting on its wheels.

All limitations apply to 15 meter (with or without winglets) and 18 meter span, unless otherwise stated.

This sheet compiled by: Tim Macfadyen Date: 28 November 2002

Updated 18 Oct 2021: UK agent changed