

BGA glider data sheet - DG 600 15 & 17 meters

See separate sheet for 18 meter version

Data source: Manufacturer's flight & maintenance manuals Date of issue: April 1988

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)	246	542
BGA concession non-aerobatic max weight of non lifting components [+5%]	258	570
Max in baggage compartment	15	33
Max water (standard)	130	287
Max water (option)	180	397
Max pilot weight (seat load)	110	242
	mm	Inches
Forward C of G limit (aft of datum)	220	8.66
Aft C of G limit (aft of datum)	380	14.97
Pilot position (fwd) 70 Kg pilot	510	20

Control deflections in mm

	Up	Down	Distance - hinge to measuring point
Ailerons (Flaps -5°)	42.5 ± 3	21.5 ± 3	122
Elevator	61.5 ± 1	55 ± 1	160
Flaps -15° -5° +15°	-21.5 ± 3 0 ± 1 +42.5 ± 3		122
Rudder	Left & right 160 to 165		318
Controls max free play (controls central)			
Flaperons 2mm total with other flaperon fixed.			
With flaperons fixed 3mm total at top of stick.			
With elevator fixed 3mm total at top of stick.			
Rudder vertical play 0,5mm.			

Longitudinal datum: Wing root LE.

Horizontal datum: Top of rear fuselage 1000:24 rear down

Max water in fin tank 6 Kg (13 lb). This is 4378mm aft.

The fin battery weighs 4.3 kg (9.5 lb) and is 4312mm aft. It increases min cockpit load by 20 kg (44 lb).

The three 2.16 Kg weights on the right of the panel each reduce min cockpit weight by 3.75 Kg (8.27 lb).

Maximum speeds

	Knots	Kph
VNE	146	270
Rough air	108	200
Manoeuvre	108	200
Aerotow	108	200

	Knots	Kph
Winch / auto tow	81	150
Flaps +5 & +10	108	200
Landing flap +15	81	150
U/C raising or lowering	108	200

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 148 at 15 meters and 128 at 17 meters. Glider rigged and resting on its wheels.

All limitations apply to 15 meter (with or without winglets) and 17 meter span, unless otherwise stated.

LBA Type certificate number 370

This sheet compiled by: Tim Macfadyen 1 June 2005

Updated 18 Oct 2021: UK agent changed