

# BGA glider data sheet - DG 600 15/18 meters

See separate sheet for 15/17 meter version

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

Manufacturer: Glaser-Dirks Flugzeugbau GmbH Web site [dgflugzeugbau.de](http://dgflugzeugbau.de)

UK Agent: UK Agent: Navboys Web site [www.Navboys.com](http://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 -10°<br>-5°<br>+15°                        | -11.5 ± 3<br>0 ± 1<br>+42.5 ± 3 |          | 122                                 |
| Rudder   | Left & right 160 to 165         |          | 318                                 |
| <b>Controls max free play (controls central)</b> |                                 |          |                                     |
| 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 | 100   | 185 |
| Manoeuvre | 100   | 185 |
| Aerotow   | 100   | 185 |

|                         | Knots | Kph |
|-------------------------|-------|-----|
| Winch / auto tow        | 81    | 150 |
| Flaps +5 & +10          | 100   | 185 |
| Landing flap +15        | 81    | 150 |
| U/C raising or lowering | 100   | 185 |

| 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. Glider rigged and resting on its wheels.

All limitations apply to 15 meter (with or without winglets) and 18 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