

BGA glider data sheet - Bergfalke 4

Data source: Flight Manual

Date of issue: 1970

Manufacturer: Scheibe Flugzeugbau, August-Pfaltz, Str.23, 8060 Dachau bei München

UK Agent:

Web site:

Phone:

Fax:

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	505	1112
BGA concession non-aerobatic max weight (dry) [+3%]	520	1145
Max weight of non lifting components (everything except wings)	350	772
BGA concession non-aerobatic max weight of non lifting components [+5%]	368	810
Max pilot weight (seat load)	110	242

mm Inches

Forward C of G limit (aft of datum)	173	6.8
Aft C of G limit (aft of datum)	388	15.3
Front pilot position (forward)	1000	39.4
Rear pilot position (aft of datum)	100	3.9

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	110 ±10	60 ±5	310	
Elevator	185 ±10	185 ±10	470	
Trim	20±5	40±5	110	
Rudder	Left 400 ±30	Right 400 ±30	820	

Longitudinal datum: Wing root LE at rib 2 (which is approximately 500 mm from the fuselage side).

Horizontal datum: With a level under wing rib 2 touching the D box, 55 mm gap between level & TE

Maximum speeds

	Knots	Kph
VNE	108	200
Rough air	92	170
Manoeuvre		

	Knots	Kph
Aerotow	75	140
Winch / auto tow	59	110
Airbrakes open	108	200

Max winch weak link: 750 Kg (Red)

Tyre pressure: Main 30 psi (2 Bar), rear 36 psi (2.5 bar)

~~Non~~/semi/fully aerobatic, cloud flying permitted.

Notes: -

The (Wortman) wing section is sensitive. Stalling speed in rain increases 10 - 15 Kph and the tips stall.

Annual check - The release cable cuts through its guide tube above the front pilot's feet.

Annual check - Undo the rudder cables at the rear pedals, pull the cables out and inspect them.

This sheet compiled by: Tim Macfadyen

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