

BGA glider data sheet - SF 27A

Data source: Flight Manual

Date of issue: 1966

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)	330	728
BGA concession non-aerobatic max weight (dry) [+3%]	340	750
Max baggage	20	44
Max weight of non lifting components (everything except wings)	205	452
BGA concession non-aerobatic max weight of non lifting components [+5%]	215	475
Max pilot weight (seat load)	110	242

mm Inches

Forward C of G limit (aft of datum)	291	11.45
Aft C of G limit (aft of datum)	460	18.10
Pilot position (forward of datum)	400	15.75

Control deflections in mm

	Up	Down	Distance - hinge to measuring point
Ailerons	85 ±10	65 ±5	245
Elevator	100 ±10	150 ±10	605*
Trim	30±5	40±5	200 measure with elevator neutral
Rudder	Left 400 ±30	Right 400 ±30	655

* Neutral elevator is defined as with the centre of the top of the stick 312mm from the panel.

Longitudinal datum: Wing root LE 400mm from fuselage centre line.

Horizontal datum: Rear fuselage top 1000:25 tail down

Maximum speeds

	Knots	Kph
VNE	108	200
Rough air	92	170
Manoeuvre	75	140

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

Wing natural frequency 176 Hz

Max winch weak link: 750 Kg (Red)

Tyre pressure: Front 38 psi (2,7 Bar) Rear 36 psi (2,5 Bar)

Semi aerobatic, cloud flying permitted.

This sheet compiled by: Tim Macfadyen Date: 20 April 2004