

BGA glider data sheet – ASK 23

Data source Manufacturer's manuals

Date of issue: 1986

Manufacturer: Schleicher

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URL : http://www.as-segelflugzeuge.de/englisch/e_main.htm

Weighing Data:

Control deflections in mm

	Kg	Pounds
Max weight	360	794
BGA concession non-aerobatic max weight [+3%]	371	818
Max weight of non lifting components (everything except wings)	235	518
BGA concession non-aerobatic max weight of non lifting components [+5%]	247	544
Max pilot weight (seat load)		

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	105/95	48.5/43.5	225	
Elevator	75/65	75/65	200	
Rudder	186/156 Left & right		330	

mm Inches

Forward C of G limit (aft of datum)	285	11.2
Aft C of G limit (aft of datum)	455	17.9
Front pilot position (forward)	456	17.95

Longitudinal datum: Wing root LE (not fairing)

Horizontal datum: Rear fuselage top tail down 1000:40

Maximum speeds

	Knots	Kph	VNE at altitude meters	VNE at altitude feet	Knots	Kph
VNE	116	215	3 000 – 4 000	10 000 – 13 000	110	204
Rough air	78	145	4 000 – 5 000	13 000 – 16 000	104	193
Manoeuvre	78	145	5 000 – 6 000	16 000 – 20 000	98	183
Aerotow	78	145	6 000 – 8 000	20 000 – 26 000	88	163
Winch / auto tow	67	125	8 000 – 10 000	26 000 – 33 000	78	145
Airbrakes open	116	215				

Max winch weak link: 680 daN (Blue)

Tyre pressure: Front 28 psi (2 bar), main 43 psi (3 bar), rear 36 psi (2,5 bar)

Semi aerobatic, cloud flying permitted.

Notes: -

15 meter span

Each 1 kg trim disk in the nose reduces minimum cockpit weight by 1.74 Kg (3.84 lb).

This sheet compiled by Tim Macfadyen Last update (control deflections included) 26 April 2007