

BGA glider data sheet - ASW 28

Data source: BGA & FAA data

Date of issue: 2001

Manufacturer: A Schleicher GmbH & Co, Segelflugzeugbau, 36161 Poppenhausen, Germany

UK Agent: Peter Wells

E Mail: office@zulu-glasstek.co.uk

Phone: 01844 208 157

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

Weighing Data:

	Kg	Pounds
Max weight with water	525	1157
Max weight (dry)	380	838
BGA concession non-aerobatic max weight (dry) [+3%]	391	863
Max weight of non lifting components (everything except wings)	260	573
BGA concession non-aerobatic max weight of non lifting components [+5%]	273	602
Max pilot weight (seat load)		
Baggage compartment	12	26.5

mm Inches

Forward C of G limit (aft of datum)	222	8.74
Aft C of G limit (aft of datum)	345	13.58
Pilot position (forward)		

Control deflections in degrees

	Up	Down	Controls mass & moments
Ailerons	20° - 25°	12° - 15°	
Elevator	18° - 22°	18° - 22°	
Rudder	left and right 29° - 33°		
Controls max free play (controls central)			

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage sloping rear down 49: 1000

Maximum speeds

	Knots	Kph
VNE	146	270
Rough air	108	200
Winch / auto tow	75	140

	Knots	Kph
Manoeuvre	108	200
Wheel operating	108	200
Aerotow	92	170
Airbrakes open	146	270

VNE at altitude

Height in feet	Meters	Knots	Kph
20 000 - 26 000	6 - 8 000	127	236
26 000-33 000	8 - 10 000	113	209

Max winch weak link: 660 daN (Blue)

Tyre pressure: Main psi (bar), rear psi (bar)

Semi aerobatic without water. Cloud flying permitted without water.

The Hydraulic brake fluid is Aeroshell Fluid 4 or Esso Univas J-13. These fluids are mineral based and are very corrosive.

Span 15 meters.

LBA Type certificate No 423

This sheet compiled by: Tim Macfadyen Date: 8 Jan 2005

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