

BGA glider data sheet - ASW 24 & 24B

Data source Flight & Maintenance Manuals

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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	500	1102
Max weight dry	365	805
BGA concession non-aerobatic max weight (dry) [+3%]	378	829
Max weight of non-lifting components (everything except wings)	245*	540*
BGA concession non-aerobatic max weight of non-lifting components [+5%]	257*	567*
Max pilot weight (seat load)	115	253
ASW 24 upper luggage compartment	15	33
ASW 24 lower luggage compartment	10	22
ASW 24B luggage compartment	15	33

	mm
Forward C of G limit (aft of datum)	240
Aft C of G limit (aft of datum)	370
Pilot position (forward)	540

Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	32.5 ±4	24.5 ±4	90	Total 2
Aileron zero setting (droop) 2.5±2				
Elevator	26± 2.5	26± 2.5	75	Total 2
Rudder	Left 150 ±10	Right 150 ±10	280	Total 3.5

* The Max weight of non-lifting components is 230 kg (507 lb) and the BGA concession is not applicable if TN 2 has not been carried out.

Longitudinal datum: Wing LE (not the fairing)

Horizontal datum: Rear fuselage top 1000 : 49 rear down. Measure 2550 – 3550 mm aft of datum.

Maximum speeds

	Knots	Kph
VNE	151	280
Rough air	111	205
Manoeuvre	111	205
Winch / auto tow	75	140

	Knots	Kph
Aerotow	97	180
U/C down	111	205
Airbrakes out	151	280

Height feet	Height meters	VNE knots	VNE Kph
10 000 - 16 400	3 - 5 000	135	250
16 400 - 23 000	5 - 7 000	121	225
23 000 - 29 500	7 - 9 000	108	200
29 500 - 36 000	9 - 11 000	94	175
36 000 - 43 000	11 - 13 000	81	150

Max winch weak link: 660 daN (Blue).

Tyre pressure: Main 36 psi (2.5 bar). Tail 36 psi (2.5 bar).

Semi aerobatic (without water). Cloud flying is permitted without water.

Each 1 Kg nose weight reduces min cockpit weight by Kg (lb).

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

Span 15 meters