

## BGA glider data sheet - ASW 22 (22 & 24 meter versions)

Data source Schleicher flight manual Date of issue: Feb 1983

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### Weighing Data:

	Kg	Pounds
Max weight with water 22 meters	750	1654
Max weight with water 24 meters	650	1433
Max in upper baggage compartment	15	33
Max in lower baggage compartment	5	11
Max weight of non lifting components (everything except wings)	265	584
BGA concession non-aerobatic max weight of non lifting components [+5%]	278	614
Max pilot weight (seat load)		
	mm	Inches
Forward C of G limit (aft of datum)	270	10.60
Aft C of G limit (aft of datum)	400	15.75
Pilot position (forward of datum)		

### Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons				
Elevator				
Rudder	Left	Right		
Flaps				
	Weight Kg	Balance cm kg		
Rudder				
Elevator (half)				
Elevator actuator				
Aileron				
Flap				
Aileron extensions				

Longitudinal datum: Wing root LE (not the fairing).

Horizontal datum: Rear fuselage top horizontal.

Completely fill the outboard wing tanks (120 litres) before putting any water in the inboard tanks.

### Maximum speeds

	Knots	Kph
VNE	151	280
Rough air	97	180
Manoeuvre	97	180
Aerotow	97	180
Winch / auto tow	75	140

	Knots	Kph
U/C down	97	180
Flaps position 2 & 3	119	220
Flaps position 4 & 5	86	160
Landing flaps	70	130

### Maximum speeds at altitude

Meters	Feet	Knots	Kph
3 - 5 000	10-16 000	135	250
5 - 7 000	16 - 23 000	121	225
7 - 9 000	23 - 30 000	108	200
9 - 11 000	30 - 36 000	94	175
11 - 13 000	36 - 43 000	81	150

Max winch weak link: 900 Kg (Brown)

Tyre pressures: Unbraked main wheel 1,8 bar (26 psi). Braked main wheel 2,3 bar (33 psi)  
Tail wheel 2,5 bar (36 psi).

Semi aerobatic without water ballast, 22 meter only. No spinning with flaps in "landing". Cloud flying is permitted without water ballast.

The 1 kg trim disks in the nose each reduce the min cockpit load by 2,5 Kg (5 ½ lb)

This sheet compiled by Tim Macfadyen Date 25 September 2002

Last update 4 June 2023 UK agent Email changed