

## BGA glider data sheet - ASW 20 & 20F

**This data applies when flying in 15-meter span, see ASW 20L/FL sheet for 16.6-meter span data.**

Data source: Schleicher Manual

Date of issue: 1979

Manufacturer: ASW 20 A Schleicher GmbH & Co, Segelflugzeugbau, 36161 Poppenhausen, Germany

Manufacturer: ASW 20F Centrair France

UK Agent: Peter Wells

E Mail: [office@zulu-glasstek.co.uk](mailto:office@zulu-glasstek.co.uk)

Phone: 01844 208 157

URL : [http://www.as-segelflugzeuge.de/englisch/e\\_main.htm](http://www.as-segelflugzeuge.de/englisch/e_main.htm)

### Weighing Data:

	Kg	Pounds
Max weight dry & landing weight	380	838
BGA concession non-aerobatic max weight (dry) [+3%]	391	863
Max weight with water	454	1000
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)	115	253

	mm	Inches
Forward C of G limit (aft of datum)	240	9,45
Aft C of G limit (aft of datum)	360	14,17
Light pilot position (forward)	625	24.6
Heavy pilot position (forward)	550	21.65

### Control deflections in mm

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	See separate sheet.		79	1,75 total
Elevator	60±15	50 ±5	145	3 total
Rudder	Left 160 ±15	Right 160 ±15	310	4,5 total
Flaps	See separate sheet.		148	2,75 total

	Weight Kg	Balance cm kg
Rudder	2,8 - 3,6	8,6 - 11,0
Elevator	2,1 - 2,7	6,6 - 8,4
Ailerons	2,2 - 2,6	2,8 - 3,5
Flaps	5,1 - 6,5	12,3 - 15,7

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

Horizontal datum: Rear fuselage top 1000: 45 tail down

### Maximum speeds

	Knots	Kph
VNE	143	265
Rough air ASW 20	97	180
Rough air ASW 20F	96	178
Manoeuvre	94	175
Aerotow	94	175

	Knots	Kph
Winch / auto tow	65	120
U/C down	94	175
Flaps positions 2 & 3	108	200
Flaps position 4	86	160
Landing flaps	65	120

Height feet	VNE knots	VNE Kph
10 000 - 16 400	121	225
16 400 - 23 000	108	200
23 000 - 29 500	97	180
29 500 - 36 000	83	155
36 000 - 42 600	73	135

Max winch weak link: 600 Kg (blue)

Tyre pressure: 36 - 49 psi

Semi aerobic in 15 meter form without water (non-aerobatic otherwise). Cloud flying is permitted

### Notes: -

Each 1 Kg nose weight reduces min cockpit weight by 2.5 Kg

This sheet compiled by Tim Macfadyen  
Last update 4 June 2023 UK agent Email changed