

BGA glider data sheet - Club Libelle (Libelle 205)

Data source: Flight Manual

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Manufacturer: Glasflügel Agent: Hansjorg Streifeneder, Glasfaser-Flüzeug-Service, Hofner Weg, D-72582 Grabbenstetten, Germany Web: www.streifly.de Tel 0049 7382 1032 and Fax 0048 7382 1629 and email: streifly@aol.com

Weighing Data:

	Kg	Pounds
Max weight (dry)	350	772
BGA concession non-aerobatic max weight (dry) [+3%]	360	795
Max weight of non lifting components (everything except wings)	225	496
BGA concession non-aerobatic max weight of non lifting components [+5%]	236	521
Max pilot weight (seat load)	110	242

mm Inches

Forward C of G limit (aft of datum)	256	10.1
Aft C of G limit (aft of datum)	380	15.0
Pilot position (forward) short pilot	450	17.7
Pilot position (forward) tall pilot	372	14.65

Control deflections in degrees

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	22° ±2°	10° ±2°		
Elevator	17.5° ±1.5°	17.5° ±1.5°		
Rudder	Left 25° ±2°	Right 25° ±2°		
Brakes	60° +0 -5°			

Longitudinal datum: Wing root LE

Horizontal datum: Rear fuselage top 1000 : 52 tail down.

Maximum speeds

	Knots	Kph
VNE	108	200
Rough air	81	150
Manoeuvre	81	150

	Knots	Kph
Aerotow	73	135
Winch / auto tow	65	120
Airbrakes open		

Max winch weak link: 600 Kg (Tost Blue)

Tyre pressure: Main 44 psi (3 bar), rear 36 psi (2,5 bar)

Semi aerobatic, cloud flying permitted.

Span 15 meters. German (LBA) Type certificate number 304.

This sheet compiled by: Tim Macfadyen

Last revision: 14 April 2009 (minor corrections to C of G limits and additional weighing information)