

BGA glider data sheet - Lo-100

Data source: The world's Sailplanes Vol 1 & BGA data

Date of issue: 1962

Manufacturer: Wolf Hirth GmbH

UK Agent:

Web site:

Phone:

Fax:

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight fully aerobatic	245	540
Max weight semi aerobatic	265	584
BGA concession non-aerobatic max weight (dry) [+3%]	273	602
Max pilot weight (fully aerobatic)	90	198
Max pilot weight (semi aerobatic)	110	242

mm Inches

Forward C of G limit (aft of datum)	350	13.8
Aft C of G limit (aft of datum)	470	18.5
Front pilot position (forward)	165	6.5

Control deflections in degrees

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	30° max	20° max		
Elevator	22° max	22° max		
Flaps	8° max	55° max		
Rudder	Left & right 29°			

Longitudinal datum: Wing root LE

Horizontal datum:

Maximum speeds

Fully Aerobatic

	Knots	Kph
VNE	156	290
Rough air	121	225
Aerotow	121	225
Winch / auto tow	75	140
Flaps extended	49	90

Semi Aerobatic

	Knots	Kph
VNE	108	200
Rough air	81	150
Aerotow	81	150
Winch / auto tow	67	125
Flaps extended	49	90

Max winch weak link: 600 Kg (Blue)

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

Fully aerobatic (see weight limitations), Cloud flying permitted

Notes: -

The Lo-100 has 10 meter span. The Lo-150 is the 15 meter version with higher weights and lower maximum speeds.

Nose ballast is 1110 mm (43.7 inches) forward of datum.

This sheet compiled by: Tim Macfadyen Date: 22 April 2002