

BGA glider data sheet - Jantar-1 (SZD-38A) 19 Meter

Data source: Manufacturer's flight manual

Date of issue: 12.9.75

Manufacturer: SZD Poland

UK Agent:

Web site:

Phone:

Fax:

Link to mandatory mods:

Weighing Data:

	Kg	Pounds
Max weight (dry)	417	919
BGA concession non-aerobatic max weight (dry) [+3%]	430	948
Max weight (with water)	515	1136
Max weight of non lifting components (everything except wings)	242	536
BGA concession non-aerobatic max weight of non lifting components [+5%]	255	562
Max pilot weight (seat load)	119	262
	mm	Inches
Forward C of G limit (aft of datum)	162	6.4
Aft C of G limit (aft of datum)	343	13.5
Front pilot position (forward)	711	28

Control deflections in degrees

	Up	Down	Distance - hinge to measuring point	Max free play
Ailerons	20° ±1°	14° ±1°	Flaps neutral	
Elevator	27° ±1°	17° ±1°		
Flaps	5° ±1°	5° ±1°		
Rudder	Left 30° ±2°	Right 30° ±2°		
Brakes	115mm minimum extension			

Longitudinal datum: Wing root LE at rib

Horizontal datum: Root rib level (achieve using water manometer on leading and trailing edges)

Maximum speeds

	Knots	Kph		Knots	Kph
VNE	132	245	Aerotow	78	145
Rough air	86	160	Winch / auto tow	59	110
Manoeuvre	78	145	Airbrakes open*	132	245

*Open brakes with caution when above 200 Kph (108 knots).

Max winch weak link: 750 Kg (Red)

Tyre pressure: Main 37 psi

Semi aerobatic without water ballast

Notes: -

This sheet compiled by: Afandi Darlington & Tim Macfadyen Date: 23 January 2003