BGA glider data sheet - PW-5 (Smyk)

Data source: Manufacturer's Manuals Date of issue: 1994

Manufacturer: WSK "PZL - ŚWIDNIK" S.A.

Present Type Certificate holder Allstar PZL Glider Sp. Email: office@szdallstar.com

Weighing Data:

	Kg	Pounds
Max weight	300	661
BGA concession non-aerobatic max weight (dry) [+3%]	309	681
Max weight of non-lifting components (everything except wings)	112	247
BGA concession non-aerobatic max weight of non-lifting components [+5%]	118	259
Max load in luggage compartment	5	11
Max pilot weight (seat load)	110	242
	mm	Inches
Forward C of G limit (aft of datum)	235	9.25
Aft C of G limit (aft of datum)	410	16.14
Pilot pos (fwd of datum) seat back	223	8.98
Pilot pos (fwd of datum) seat forward	281	11.06

Control deflections in degrees

	Up	Down	Max free play (total movement).
Ailerons	26° ± 2	13°± 1	3mm at stick aileron locked.
Elevator	28° ± 2	19° ± 1	2.5mm at the stick, with the elevator locked.
Rudder	Left & right 35° ± 2		
Airbrakes	25 ± 2 mm gap between wing and paddles bottom (root end) with brakes fully open.		

Longitudinal datum: Wing root LE at root Horizontal datum: Wing root LE & rear fuselage datum point horizontal.

Maximum speeds

	Knots	Kph
VNE	121	225
VNE Serial No 17.07.010 onwards	115	213
Rough air	81	150

	Knots	Kph
Manoeuvre	81	150
Aerotow	81	150
Winch / auto tow	65	120

Wing span 13.44 meters

Max winch weak link: 700daN (Blue)

Tyre pressure: Front 30 psi (2 bar), main 50 psi (3,5 bar)

Semi aerobatic, cloud flying permitted

Notes: -

Maximum altitude 16 400 feet 5 000 meters.

This sheet compiled by: Tim Macfadyen Date: 12 September 2002
Updated 28 Oct 2026 VNE for later serial numbers reduced as per the TCDS