

# Type Certificate Data Sheet

Number: G-119  
 Issue No.: 3  
 Approval Date: Refer Below  
 Issue Date: May 13, 2016

This Data Sheet which is part of Type Certificate No. G-119 prescribes the conditions and limitations under which the product(s) for which the Type Certificate was granted meet(s) the standards of airworthiness required by the Canadian Aviation Regulations.

**Type Approval Holder:**

Allstar PZL Glider Sp. z o.o.  
 ul. Cieszyńska 325  
 43-300 Bielsko-Biala,  
 Poland

**Models**

SZD-55-1

1. MODEL SZD-55-1 (Glider) (Utility Category) Approved March 7, 1994

**Airspeed Limits (IAS)**

		<u>knots</u>	<u>km/h</u>
$V_W$	(Winch Tow)	78	145
$V_T$	(Airplane Tow)	84	155
$V_{NE}$	(Never Exceed) - Smooth Air	138	255
$V_{RA}$	(Never Exceed) - Gust Conditions	105	195
$V_A$	(Maneuvering)	105	195
$V_{ABE}$	(Airbrake Operation)	138	255
$V_{LG}$	(Undercarriage Operation)	138	255

Maximum Weight (Mass)	Without ballast in wings	350 kg	772 lbs
	With ballast in wings	500 kg	1102 lbs

C.G. Limits                      See Flight Manual as listed in Approved Publications.

Datum                              Wing leading edge at wing root rib.

Levelling Means                  Root rib horizontal

Minimum Crew                    One (pilot)

Maximum Occupants            One



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Weak Link For Towing 600 ± 50 daN (1323 ± 110 lbs).

Flight Load	<u>IAS</u>	<u>Positive</u>	<u>Negative</u>
	At 105 knots (195 km\h)	+5.3	-2.65
	At 138 knots (255km\h)		
	without water ballast in wings	+4.2	-1.95
	with water ballast in wings	+4.7	-2.0

Type Approval Basis Airworthiness Manual, Chapter 522, Change 1, dated August 31, 1987.

Canadian Configuration The Canadian Configuration is defined by Przedsiębiorstwo Doswiadczalno-Produkcyjne Szybownictwa PZL-Bielsko List of Drawings SZD 55 - I Glider Issue II, March 1993.

Required Equipment The basic required equipment as prescribed in the applicable airworthiness requirements (See Type Approval Basis). In addition, the following equipment is required:

- a) Flight Manual as listed in Approved Publications
- b) Altimeter calibrated in feet
- c) Compass
- d) Airspeed Indicator in knots
- e) Stall Warning System

Import Requirements The import documentation must include:

- a) A Polish Certificate of Airworthiness for Export to Canada signed by a representative of the IKCSP
- or
- b) A Certificate of Airworthiness for Export signed by the airworthiness authority of a country with whom Canada has a Bilateral Airworthiness Agreement



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Import Requirements  
(Cont'd)

In case a) or b) the C of A must contain the following statement:

"The aircraft identified by this certificate has been examined and found to conform to the Canadian Department of Transport Aircraft Type Approval G-119"

or

c) Other procedures approved by the Minister of Transport.

Eligible Serial  
Numbers

551190001 and subsequent.

Placards

All required placards are listed in pages 60, 61, 62, 63 and 64 of the PZL-Bielsko Technical Service Manual, Issue IV, dated March 1993, Canadian Version.

Approved  
Publications

IKCSP Approved Flight Manual for the SZD-55-1 Sailplane, Issue IV, dated March 1993, Canadian Version, or later approved revisions.

Life Limited Parts

Components which are life limited are listed in section 3.5 of PZL-Bielsko Technical Service Manual SZD-55-1, Canadian Version, Issue IV, dated March 1993.

NOTE 1

Aerobatics are limited to the approved manoeuvres as indicated in the flight manual listed in Approved Publications.

Aerobatic manoeuvres are not permitted with water in the ballast tanks.

NOTE 2

Water ballast is prohibited at ambient temperatures below 0° C.

NOTE 3

Winch launching using the front hook is not allowed.

NOTE 4

Type Certificate Holder Record:

- Before March 2004 - Przedsiębiorstwo Doswiadczalno-Produkcyjne Szybownictwa "PZL-Bielsko"

-END-



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Aircraft Certification  
for Minister of Transport

