

SZD-51-1 JUNIOR

"Best club single ever!"

The SZD-51-1 JUNIOR is a single-place club sailplane, with safe and docile handling qualities, specifically designed for early solo and recreational flying.

The JUNIOR was designed from the outset as a club glider, not as a fixed gear version of a competition sailplane.

It features a large and comfortable cockpit with a more upright seating position that is preferred by club pilots, a fixed undercarriage with an oversized tire to soften landing, and an unusually strong airframe designed to endure 12,000 hours of demanding Club operation. But the key ingredient to the JUNIOR's success is a larger wing area compared to racing sailplanes and an airfoil optimized for safe handling and smooth stall characteristics.

The JUNIOR is certainly the logical choice for pilots during the critical early solo stage. But the admiration of the JUNIOR doesn't end there. After developing basic flying skills in the JUNIOR, many pilots continue to prefer it for cross-country, wave flying and even sports class competition.

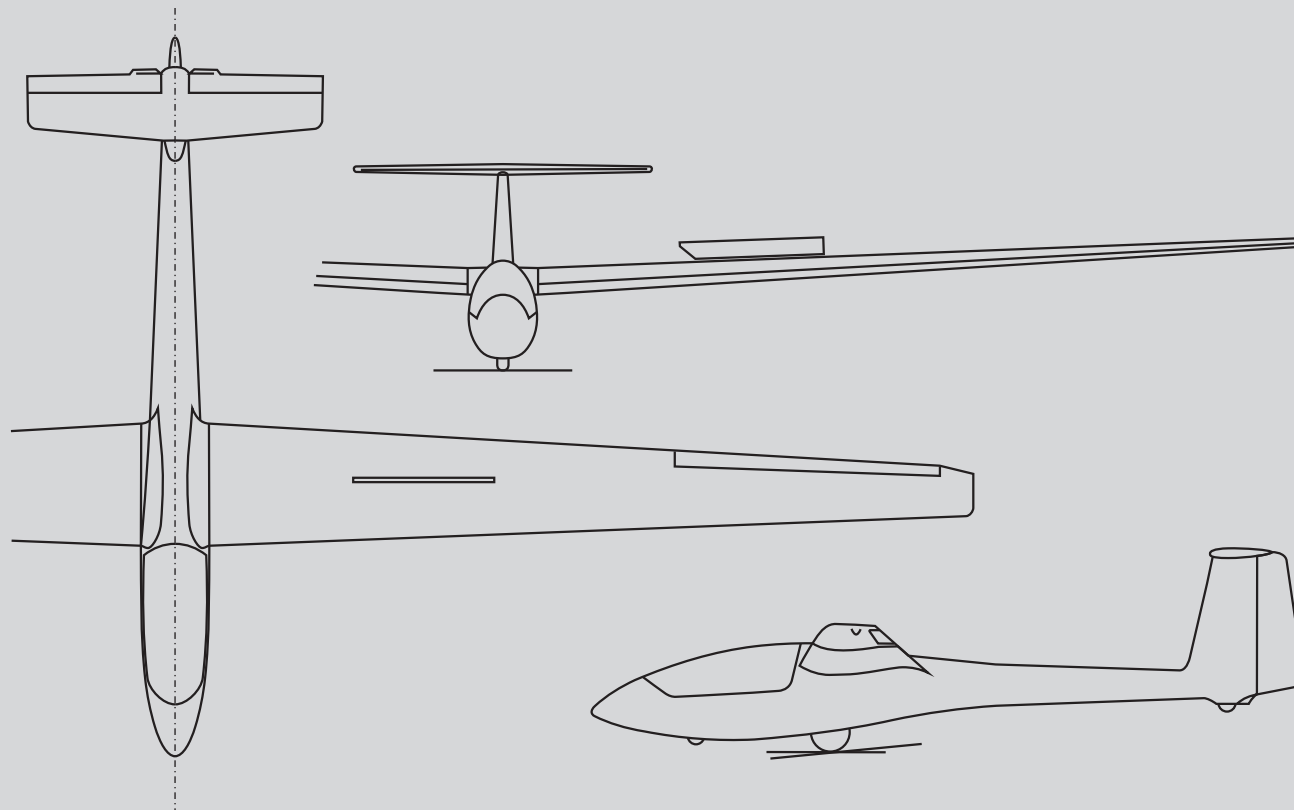
The latest development of the SZD-51-1 offers several new features, which make it more desirable than ever. Rigging has been further simplified with fully automatic coupling of all the flight controls. Cockpit comfort has been improved with the addition of a fully adjustable pilot's back rest.

More comfort, more convenient... and still the best built, best flying Club glider on the market.

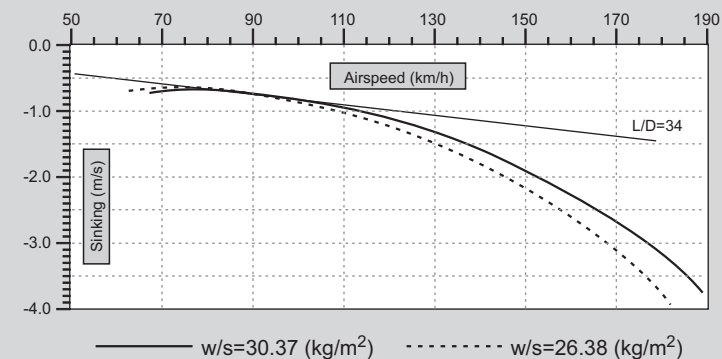
Design life: 15.000 hours

Actually approved operating time: 6.000 hours and a possibility of 1.500 hours of extension, further extension applied for

Factory warranty: 24 Month



Span	m	15,00
Lenght	m	6,69
Height	m	1,57
Wing area	m ²	12,51
Aspect ratio		18,00
Empty Glider mass	kg	225 ± 5
All-Up mass	kg	380
Wing loading range	kg/m ²	-
Load factors	+ -	5,30 2,65
Maximum L/D		35 (at avg. mass)
at	km/h	80
Stalling speed	km/h	60 (at avg. mass)
Minimum sinking speed at	m/s km/h	0,58 70
Never exceed speed	km/h	220



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