

# TUCANO S-LSA TUCANO -R Experimental



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Flying Legend, a Italian company established in 2010, is pleased to introduce you its TUCANO-R either LSA and EXPERIMENTAL, replica of the famous Brazilian EMB 312, with fixed/retractable landing gear option which retains also the fighter-like feel of centerline seating with a good size fuselage which accommodates easily the cockpit and two good size people thank you also to the adjustable pedals. The right hinged tie-up canopy provides great visibility inside the airplane and it is built around a sturdy steel roll bar. The Tucano can be flown either from the front and the rear seat. With its upgrade structure of +6-3G, the aircraft well performs basic acrobatic maneuvers.

The aircraft, built with a high quality material is offered either as turnkey aircraft (only the LSA) and as a kit. The cabin width allows the assemblage of a modular instrument panel designed to fit analogue or digital instrumentation packages.

The kit includes all the required materials, components and fasteners with the exception of the engine, propeller and instruments.

So what are you still waiting for, come and visit us and have a ride!





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## TUCANO S-LSA

Equipped with a Rotax 912 and a two blade constant speed propeller, the aircraft well achieves its cruise speed of 120 knots and a best climb speed of 1000ft/m.

The Tucano-LSA with fixed landing gear and fixed pitch is the right aircraft for those who wish to fly a very easy aircraft with a fighter look. Comfortable, easy, stable, allows cross- country fly really enjoyable and safe.

### Aircraft Dimension

Aircraft length	23,29 ft
Wing Span	27,59 ft <sup>2</sup>
Wing Area	107 ft <sup>2</sup>
Cabin Height	3,12 ft
Cabin Width	2,36 ft
Max Seating capacity	2
Fuel Tank capacity	2x 15,85 US gal

### Power Plant & Performance

Power Unit	Rate of Climb	Max Cruise Speed	Stall	Average Consumption	Range
Rotax 912 (100hp)*	1000 ft/min	120 kts	40 kts	4,7 US gal/hr	648 NM
Rotax 914 (115hp)	1200 ft/min	120 kts	40 kts	5,8 US gal/hr	594 NM

\*Rotax 912 with a Two-blade Fixed Propeller

### Design Weight & Loading

Maximum take off Weight	1320 lb
Empty weight	870 lb
Useful Load	453 lb
Baggage allowance with 1 pilot	154 lb
Baggage allowance with 2 pilot	75lb
Design Weight	1433lb with a load fact
Design Weight	1653 with a loaf factor

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Factor of +6-3 G  
Factor of +4 -2 G

	VNE
NM	178 kts
NM	178 kts





## TUCANO-R Experimental

The experimental replica of the Tucano with retractable landing gear and variable pitch is the right choice of aircraft for all these pilots who have always dreamed to fly a war bird and feel like a military fighter. Thanks to its heavy-duty structure and the new wings design, it flies very stable and allows to perform basic acrobatic maneuvers in safe conditions. Three blade variable pitch propeller and 140 hp, happy combination of a mechanical compressor with a Rotax 912, powers the sport version of the Tucano-R cruising at 135 kts and with a best climb of 1600 ft.

### Aircraft Dimension

Aircraft length	23,29 ft
Wing Span	27,59 ft <sup>2</sup>
Wing Area	107 ft <sup>2</sup>
Cabin Height	3,12 ft
Cabin Width	2,36 ft
Max Seating capacity	2
Fuel Tank capacity	2x 15,85 US gal
Extra fuel capacity	13 gal

### Power Plant & Performance

Power Unit	Rate of Climb	Max Cruise Speed	Stall	Average Consumption	Range
Rotax 912 (100hp)	1000 ft/min	120 kts	40 kts	4,7 US gal/hr	648 N
Rotax 914 (115hp)	1200 ft/min	125 kts	40 kts	5,8 US gal/hr	594 N
Rotax 912 +m.c.*	1600 ft/min	135 kts	45 kts	7,1 gal/hr	540 N

\* Rotax 912 with mechanical compressor and a Three-blade v.p. propeller

### Design Weight & Loading

Maximum take off Weight	1433 lb with a load
Maximum take off Weight	1653 lb with a load
Empty weight	925 lb
Baggage allowance with 1 pilot	154 lb
Baggage allowance with 2 pilot	75 lb

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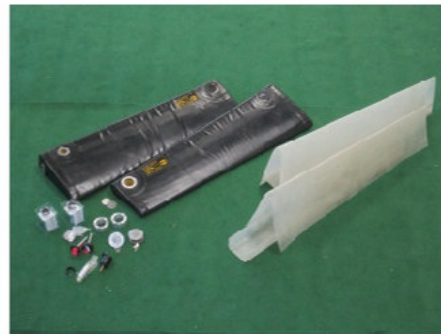
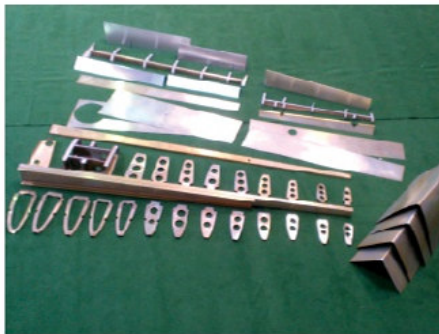
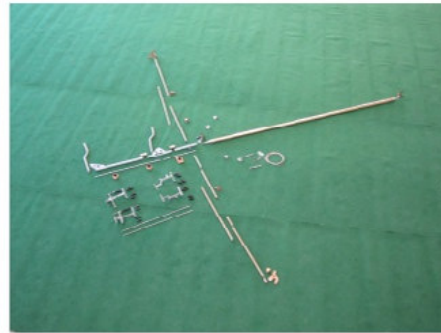
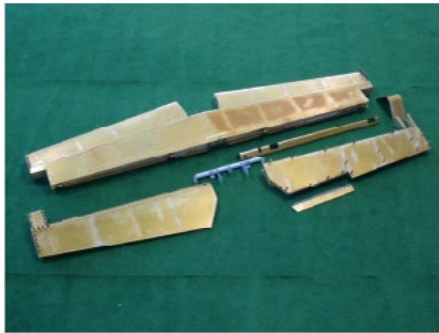
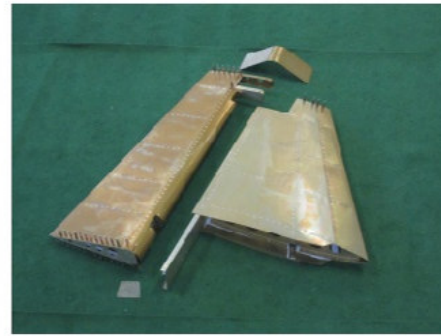
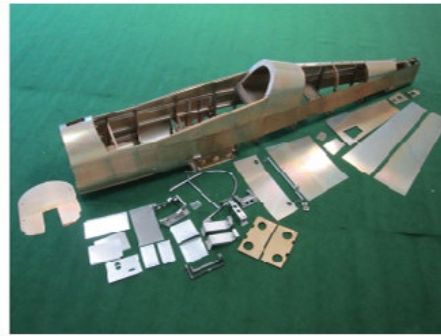
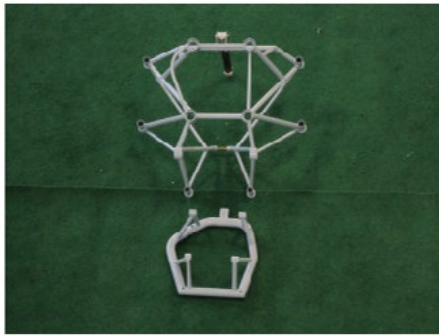




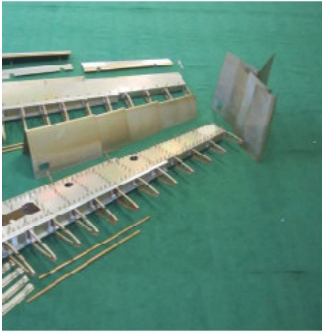
a load factor of +6-3 G  
a load factor of +4-2 G

Range	VNE
48 NM	178 kts
94 NM	178 kts
40 NM	178 kts

TUCANO - R Experimental







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