

# Sorrell SNS-8 Single Seat Biplane

Unfinished kit, approximately 80% finished

Page 1

## General information

- \* Smaller (non-aerobatic) version of the Sorrell Hiperbiplane aerobatic aircraft.
- \* Construction is tube and fabric.
- \* Designed using conventional aircraft certification standards.
- \* Kit can be completed as an Ultralight, Light Sport, or Experimental aircraft.
- \* This kit is modified by the Sorrell Engineers for enhanced performance.
- \* Needs fabric on fuselage, final finish on wings and tail, and final paint.
- \* All materials for completion included, except minor hardware.

## Specifications (as an Experimental aircraft)

Wing span	22 ft
Length	15 ft 6 in
Load Factor	6.0, -3.0

## The following will need to be established by flight test:

Empty weight	(approx. 300 lbs)
Gross weight	(approx 750 lbs)
Cruise speed	(approx 100 mph)
Stall speed	(approx 30 mph)
Rate of climb	(approx 2,000 fpm)
Takeoff distance	(approx 100 ft)
Landing distance	(approx 200 ft)

## Airframe

- Tube and fabric construction (poly fiber)
- Symmetrical "Speed Wing"
- Elevator trim control
- Flap/Aileron system (flaperon)
- 10 gallon aluminum fuel tank
- Skylight overhead window
- Cabin air vents
- Hydraulic wheel brakes (heel)
- Upgraded pitot/static strut probe
- Integral radio antenna fuselage mount
- Threaded aft tail quick disconnect fasteners



Copy and paste this link to a YouTube video on this aircraft: <https://youtu.be/4okbIPSiHbU>

Sorrell SNS-8 Single Seat Biplane  
Unfinished kit, approximately 80% finished  
Page 2

**Powerplant**

Rotax 503 50hp engine, dual carbs, dual ignition, with Type B gearbox (new from factory)  
3-blade, ground-adjustable propeller  
GPL electric starter  
Back-up electric fuel pump with "pump on" indicator light  
Engine primer  
Cabin remote choke  
Vernier adjustable throttle  
Engine tachometer  
Dual CHT indicators  
Dual EGT indicators  
Amp meter  
Volt meter  
Hour recording meter

**Electrical**

Engine charging system/storage battery  
Electrical master switch  
Avionics master switch  
Dual ignition On/Off switches

**Flight Instruments**

Airspeed indicator  
Altimeter  
Vertical speed indicator  
Slip indicator  
Wet compass  
Clock/timer



**Notes:**

- \* Kit has been stored inside a hangar at low humidity.
- \* Parts to finish construction are included. Minor hardware may need to be procured.
- \* Aircraft has been fitted with a now-expired ballistic recovery parachute.
- \* This is a very reliable, strong and durable aircraft. However, it is not designed for aerobatics.
- \* The aircraft (kit) has been assembled for viewing.
- \* More history and videos on this aircraft design are available online (links at [www.nospinaircraft.com](http://www.nospinaircraft.com))