

# STEEN AERO LAB

For most gulls it is not flying that matters, but eating. For this gull, though, it was not eating that mattered, but flight.  
(Richard Bach, Jonathan Livingston Seagull)

[Go to printable version](#)

## Our Aircraft:

[Steen Skybolt](#)  
[Skybolt Home](#)  
 Specs / 3-Views:  
     • [Standard](#) •  
     • [Delta](#)  
     • [Radial](#)  
 Airplane Photos  
 Construction Photos  
 History  
 Skybolt Videos *New!*  
 Steenship  
 Articles  
 Pitts Model 14  
 Pitts S1  
 Knight Twister

## Products:

[ONLINE STORE](#)  
 Products Home  
 Bruntons Brace Wires  
 About Bruntons  
 MT Props  
 Hoffmann Props  
 Request Prop Quote  
 Vendenyev M14 Engines  
 Laminated Wing Spars  
 Laminated Leading Edges  
 Canopies  
 Motor Mounts  
 Wing Kits & Wing Jigs  
 Three-Section Wings  
 Piloti Shoes  
 Styles  
 VedaloHD Sunglasses  
 Styles  
 FAA Report on Sunglasses

## Builders:


[Builder F.A.Q.](#)  
 Construction  
 Photos  
 Articles  
 Project Gallery  
 Submit Photos  
 Project Logs

## Resources:

[News](#)  
[Event Reports](#)  
[Email List](#)  
[Testimonials](#)  
[Non-US Distributors](#)  
[Links](#)  
[Scale Models](#)  
[Biplane Lore](#)  
[About This Site](#)  
[Website Updates](#)  
[About Us](#)  
[Contact / Visit Us](#)

## Skybolt Skybolt Standard Specifications

		SKYBOLT S (STANDARD) SPECIFICATIONS		Notes
		Skybolt S (Standard)		
BASIC DIMENSIONS				
Length	ft	19		
Height	ft	7		
Wing Span (Upper)	ft	24	clip wing 22	
Wing Span (Lower)	ft	23	clip wing 21.33	
PAYLOAD AND ACCOMODATIONS				
Seats		2		
Fuel Capacity	US gal	29 (+9 optional)		
Baggage Capacity	lb	25		
DETAILS				
Upper Wing Airfoil		NACA 63 <sub>2</sub> A015		
Lower Wing Airfoil		NACA 0012		
Upper Wing Sweep	degrees	6.5		
Total Wing Area	sq ft	153		
WEIGHT				
Empty Weight	lb	980 - 1280	Depends upon configuration	
Acro Weight	lb	1650		
Gross Weight	lb	1800		
Design Load Factor	g	+6/-4.5		
Ultimate Load Factor	g	+9/-6		
Wing Loading (@ Acro Weight)	lb/sq ft	10.78 (@ 1650 lb)		
Wing Loading (@ Gross Weight)	lb/sq ft	11.76 (@ 1800 lb)		
POWER				
Power Requirements	hp	180-350		
Engine (Typical)		Lycoming IO-360/IO-540		
Power Loading (@ Gross Weight)	lb/hp	10.00 (180hp) 6.92 (260hp) 6.00 (300hp)		
Power Loading (@ Acro Weight)	lb/hp	9.17 (180hp) 6.35 (260hp) 5.50 (300hp)		
FLIGHT PERFORMANCE				
Stall Speed (@ Gross Weight)	TAS/mph	55-60		
Cruise Speed (75% power)	TAS/mph	150-180	Depends upon configuration	
Max Speed (Level Flight)	TAS/mph	190	Depends upon configuration	
Never-Exceed Speed (V <sub>ne</sub> )	TAS/mph	225		
Rate of Climb (Initial)	ft/min	3500 (325hp)	Depends upon configuration	
MISCELLANEOUS				
Plans Price	US Dollars	<div></div>	Plus shipping and handling Purchase Plans Online!	
Component Availability		Extensive		

Skybolt Standard 3-View Drawings				
Model	Small	Medium	Large	Printable
Skybolt S (Standard)	400 x 250	800 x 500	1600 x 1000	PDF
- Side		800 x 600		PDF
- Top		800 x 600		PDF
- Front		800 x 600		PDF
** To view PDF files, you need to have the free Adobe Acrobat Reader installed. 				

[Skybolt Home](#)  
 • [Specs and 3-Views:](#)   [Standard](#)   [Delta](#)   [Radial](#)  
[Airplane Photo Gallery](#)  
[Construction Photo Gallery](#)  
[History](#)  
[Flight Videos](#)  
[The Steenship](#)  
[Articles](#)

# Skybolt