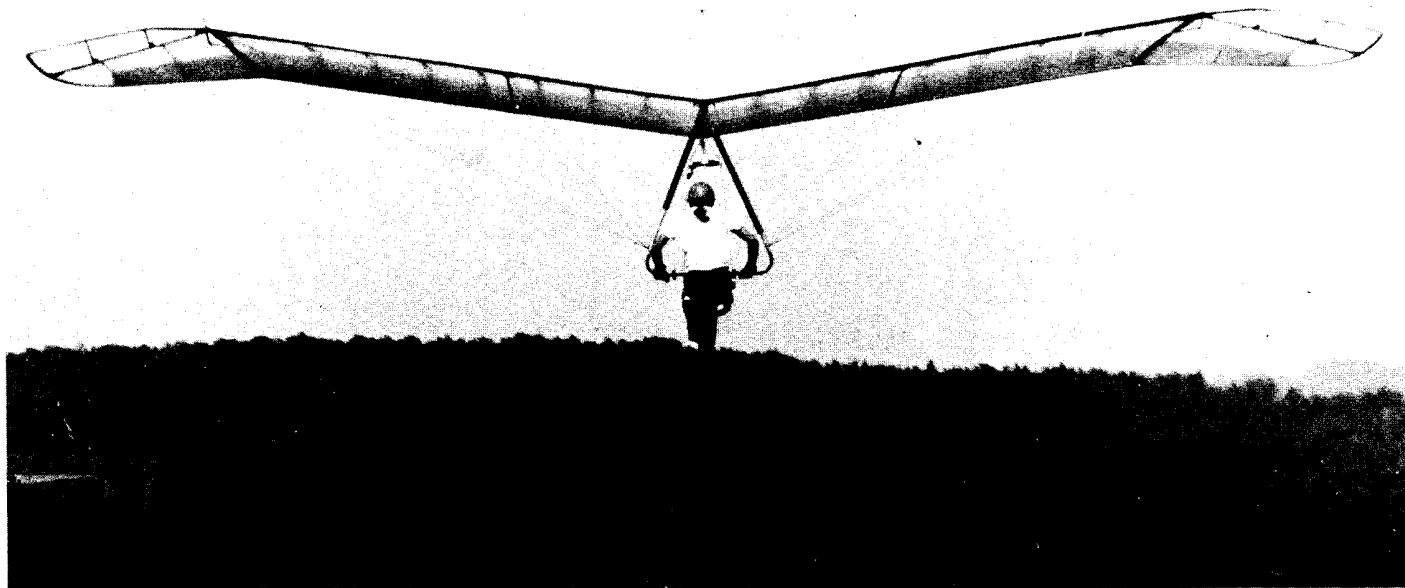
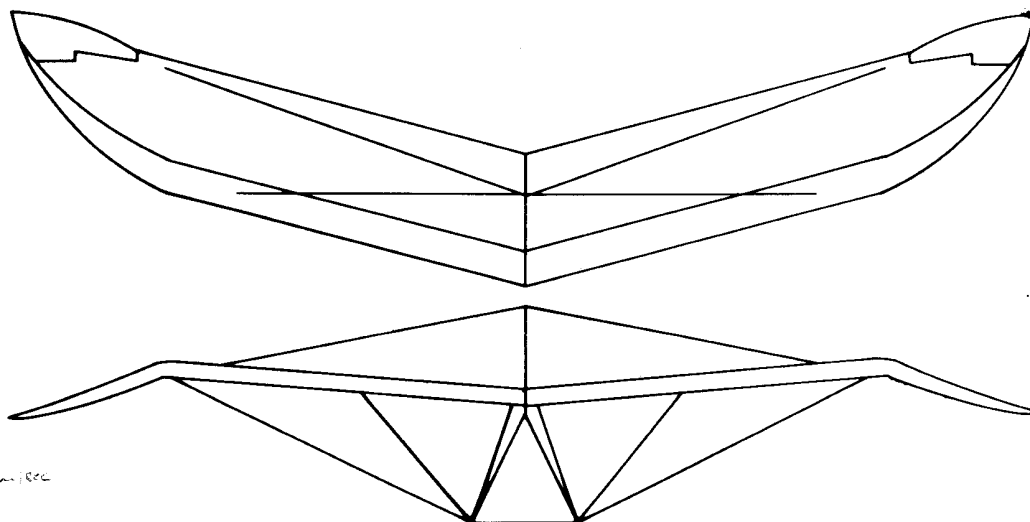


SUNSEED



Specifications

Leading edge - ft.	—
Chord length - ft.	—
Wing span - ft.	32.8
Wing area - sq. ft.	128.5
Aspect ratio	8.36
Sweep angle - degrees	15
Sail billow - degrees	—
Weight - lbs.	50
Pilot weight - lbs.	125-180
Wing loading - lbs./sq. ft.	—
Set-up time - min.	10



Estimated Flight Performance

Take-off speed - mph.	15
Stall speed - mph.	16
Maximum speed - mph.	40
Best glide (L/D) ratio	12:1
Speed for best L/D - mph.	25
Minimum sink rate - ft./min	175

General Description

The Sunseed is a double surface, diffuser tip flying wing. It has outboard control surfaces. This high aspect ratio wing has a 12:1 glide angle in the prone position. Canted tip wings provide excellent self righting characteristics. The Sunseed has a stable stance even in steep turns with no tendency to dive or stall. The run out distance before touchdown is about 4 times that of a Rogallo. It has a 13.7% airfoil and a load factor of 6 G's.

Materials and Construction

Airframe.

Made from 2024-T3 anodized aluminum.

Rigging.

Cable is 3/32" 7 x 7 stainless steel aircraft quality, vinyl coated.

Hardware.

All aircraft quality parts.

Sail.

Material is 1.8 oz. stabilized dacron available in any color or design. Sail fits on with zippers and velcro tapes.

Pilot Suspension System.

Optional seated or prone harnesses.

Special Features

It has a fiberglass leading edge with an aluminum trailing edge wedge. Draggons on wing tips can be operated as glide path control devices to reduce glide angle from 12:1 to 5:1. The advanced wing tip design provides induced drag and tip vortex reduction. Lower wing surface is ribless to make it dynamically responsive. Disassembles in 10 minutes to a bundle 15 ft. long by 1 ft. in diameter.

H 1017 Manufactured by Seedwinds