Spratt Controlwing
Flying Boat
All three aircraft were actually flown.

FOR BENDIX

1907

1908

1912

1929

1934

1937 - Model 101 - No. 15752

7 MODEL

1939 - Model 102 - No. 11

1947 - Model 104A - NXL307V - Model 104B

1962 - Model 106 - N91012

1973 - Model 108 - N49888

SPRATT AIRCRAFT 1907-1994
Vertical alignment axis pivot
Nested round tubes

Lateral alignment axis

Dual Carb ROTAX 582

2 3VX Powerbands
See p. 66 Pulley

2.5 to 3.0 shaft

Square tube
Belt tension adjustment
Nested square tubes

A frame

New AL or STL
Machined pulley
On PTO shaft

2" sq. mount tube

Approximate horizontal installation req

Note:
Pulley diameters and centers as shown are not to scale.

Proposed Belt Reduction

ROTAX 582 Engine Install
Controlling Minzer Mod - see page 56

Used on my second flying boat.

0.63 stiffener to clear mast

3" MIN TO CLEAR MOTION

0.063

5.5 - 5.75"

MAX STROKE

Steel 1" TUBE

Keep these edges on E of aircraft

Wing Link Lengths

RATIO OF STICK & STICK LINKAGE TO LIMIT VERTICAL TRAVEL

1/4" Rod and bearing

1/4" Bushing 2 1/4"

3/8 holes

3/4" MAST

1/2 STEEL

4" Bolt Pivot

3/8" MIN GAP TO CLEAR PLATES & BOLTS

PATCH LINK FROM STICK

16" to 16" CUB

A convenient way to make pitch links

3/8" Rod End Bracket

1/4" Rod End Bracket

Orient link as shown on opposite stub tube on other side

BW 84