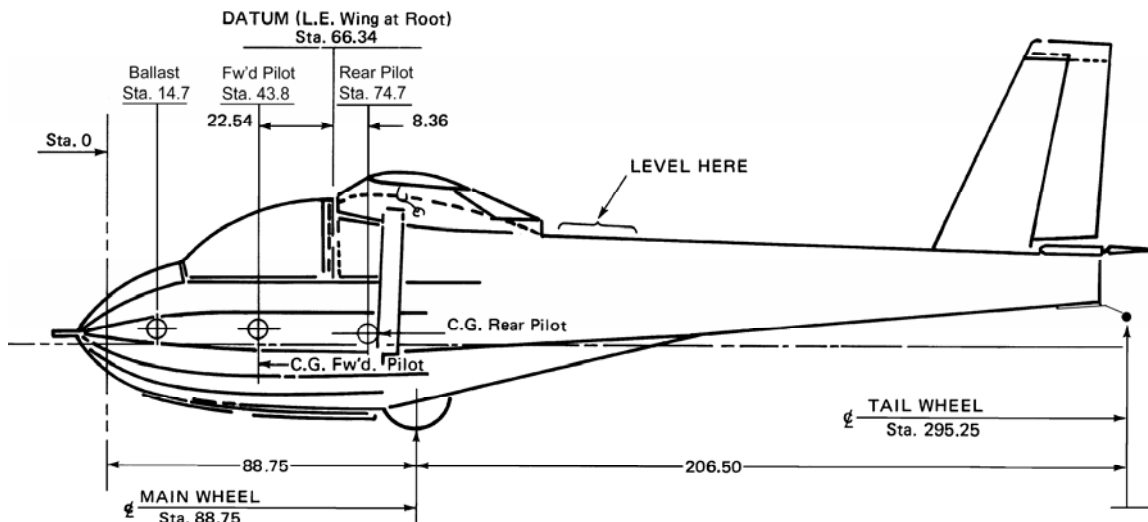


Weight and Balance  
N33923  
November 26, 2006



This Weight and Balance is calculated after the installation of the Schweizer Spring Tailwheel Assembly, P/N 33209G. Distance between main wheel and tailwheel increased by 10.25 in. to 206.50 in. New tailwheel station is 295.25 in.

	Weight	Arm	Moment
Previous W&B	655	94.44	61860.00
Remove Fixed Tail Wheel	-1	285.00	-285.00
Add Spring Tail Wheel Assy	3	287.00	861.00
<b>New Basic Aircraft CG</b>	<b>657</b>	<b>95.03</b>	<b>62436.00</b>

The condition of the aircraft is basic instruments (compass, airspeed, variometer), with cushions but with no ballast, no radio, and no electrical system.

Maximum Gross weight	1040 lbs
Useful load	383 lbs
Forward CG limit	78.20 in
Aft CG limit	86.10 in

*Edward A. Thistlethwaite, Jr.*

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Edward A. Thistlethwaite, Jr.  
A&P 2089030  
December 6, 2006

Weight and Balance Calculation Form  
 N33923  
 December 6, 2006

Maximum Gross weight	1040 lbs
Useful load	383 lbs
Forward CG limit	78.20 in
Aft CG limit	86.10 in

		A	B	C
	N33923	Weight (lbs)	Moment Arm (in)	Moment (in-lb)
1	Basic Empty Aircraft	657	95.03	62435
2	Ballast		14.70	
3	Front Pilot		43.80	
4	Rear Pilot		74.70	
5	Weight and Balance			

1. Enter the weight of the ballast (21 lbs), front pilot and rear pilot in Column A.
2. Multiply each weight in Column A by the moment arm in Column B to obtain moment. Enter value in Column C.
3. Calculate Gross Weight: Add the weights in Column A, Enter sum in Row 5.
4. Calculate Total Moment: Add the moments in Column C. Enter sum in Row 5.
5. Calculate CG: Divide total moment by total weight and enter result in location Row 5, Column B.

Weight and Balance are within limits if:  
 Total weight does not exceed 1040 lbs and CG is between 78.2 and 86.1 in.

N33923  
 Weight & Balance  
 December 6, 2006

Basic Empty Weight: 657 lbs, Empty CG: 95.03 in.

