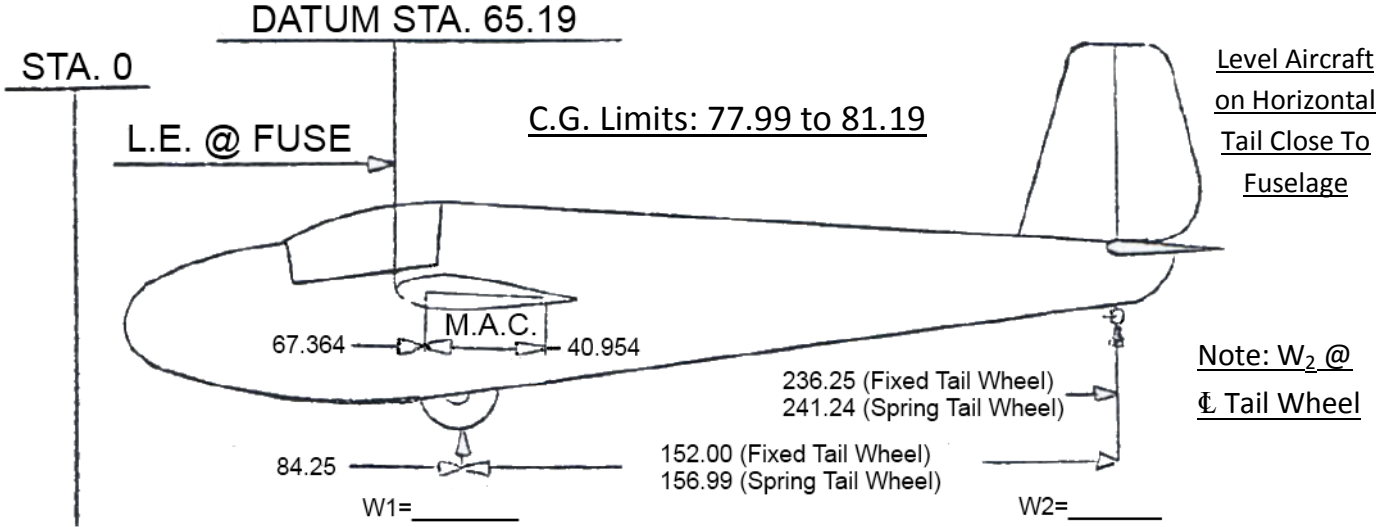




Weight & Balance

Model: 1-23 _____ Serial No.: _____ Registration No.: _____



1.) Empty Weight: $W_E = W_1 + W_2 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ lbs

2a.) C.G. Empty (Fixed Tail Wheel): $CG_{EFT} = \frac{(W_2 \times 152.0)}{W_E} + 84.25 = \frac{(\underline{\hspace{2cm}} \times 152.0)}{(\underline{\hspace{2cm}})} + 84.25 = \text{Sta. } \underline{\hspace{2cm}}$

2b.) C.G. Empty (Spring Tail Wheel): $CG_{EST} = \frac{(W_2 \times 156.99)}{W_E} + 84.25 = \frac{(\underline{\hspace{2cm}} \times 156.99)}{(\underline{\hspace{2cm}})} + 84.25 = \text{Sta. } \underline{\hspace{2cm}}$

3.) Minimum Weight Pilot (Seat Fwd): $= \frac{(CG_{EFT \text{ or } CG_{EST}} - 81.19) \times W_E}{81.19 - 52.00} = \frac{\underline{\hspace{2cm}} \times \underline{\hspace{2cm}}}{29.19} = \underline{\hspace{2cm}}$ lbs

4.) Minimum Weight Pilot (Seat Aft): $= \frac{(CG_{EFT \text{ or } CG_{EST}} - 81.19) \times W_E}{81.19 - 57.00} = \frac{\underline{\hspace{2cm}} \times \underline{\hspace{2cm}}}{24.19} = \underline{\hspace{2cm}}$ lbs

5.) Maximum Weight Pilot: = Max. Gross Weight – Empty Weight = 750 - $\underline{\hspace{2cm}}$ = $\underline{\hspace{2cm}}$ lbs

6.) Maximum Weight Pilot (Seat Fwd): $= \frac{(CG_{EFT \text{ or } CG_{EST}} - 77.99) \times W_E}{77.99 - 52.00} = \frac{\underline{\hspace{2cm}} \times \underline{\hspace{2cm}}}{25.99} = \underline{\hspace{2cm}}$ lbs

7.) Maximum Weight Pilot (Seat Aft): $= \frac{(CG_{EFT \text{ or } CG_{EST}} - 77.99) \times W_E}{77.99 - 57.00} = \frac{\underline{\hspace{2cm}} \times \underline{\hspace{2cm}}}{20.99} = \underline{\hspace{2cm}}$ lbs

Placard Limits: Min Weight Pilot (Use Lower Weight From Step 3 or 4) = $\underline{\hspace{2cm}}$ lbs

Max Weight Pilot (Use Lower Weight From Step 5, 6, or 7) = $\underline{\hspace{2cm}}$ lbs

Calculated By: _____

Date: _____

Checked By: _____

Date: _____



Model: 1-23 _____ Serial No.: _____ Registration No.: _____

The Empty Weight As Listed on Page 1 Includes the Following Equipment

Item No.	Item Description	Weight	Arm	Moment
1.	Wheel, Schweizer Model 1B213 or 1B216	7	84.19	589
2.	Airspeed Indicator	Nil	---	---
3.	(SGS 1-23H & H-15 Only) Shoulder Harness Installation per Schweizer Dwg 23217	1.5	76.19	114
4.	<u>Fixed Ballast</u>		10.50	
	<u>Optional And Special Equipment</u>			



Equipment List

SGS 1-23, D, F, G, H & H-15

The following items are required equipment or available and approved as special or optional equipment on listed models.

	<u>Required Equipment</u>	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
1.	Wheel, Schweizer Model 1B213 or 1B216	7.0	84.19	589
2.	Airspeed Indicator	Neglect Weight	43.06	---
3.	Shoulder Harness Installation per Schweizer Dwg 23217(SGS 1-23H & H-15 Only)	1.5	76.19	114
	<u>Fixed Ballast</u>			
1.	See Weight & Balance Sheet for Weight Listed		10.50	
	<u>Optional or Special Equipment</u>			
1.	Robinson Rate of Climb (Variometer)	Neglect Weight	43.06	---
2.	Cosim Variometer	1.50	35.06	52
3.	Sensitive Altimeter	1.25	41.06	51
4.	Ball Bank Indicator	Neglect Weight	43.06	---
5.	Turn & Bank Indicator with 4.5 Volt Battery (Friebe 4.5 Volt Elect.)	1.50	42.06	63
6.	Rate of Climb with Tank	1.0	43.06	43
7.	B-21 Standby Compass	1.0	43.06	43
8.	Cook Compass	Neglect Weight	---	---
9.	Clock	Neglect Weight	43.06	---
10.	Extended Wing Tip per Schweizer Dwg 23H467 (SGS 1-23H Only)	7.0	82.19	575
11.	Wheel Well Cover Per Drawings 23036 & 23038	Neglect Weight	84.25	---
12.	Cosim Total Energy Pitot Per Dwg 23926	Neglect Weight	85.00	---
13.	Oxygen Installation			
	A. Regulator & Mask	4.0	54.0	216
	B. Oxygen Cylinder (#C-250-22) "ZEP"	13.0	20.5	267
	C. AN6029 Indicator	Neglect Weight	43.0	---
14.	Barograph Holder	Neglect Holder	99.50	---
15.	Skycrafter Radio Model No.	12.25	36.00	441
16.	Bank & Turn Install. 12V. (Dwg 23917) TRV 122 or TRV 128 and Bracket			
	A. B & T Indicator (Allen)	1.50	41.06	62
	B. Batteries & Case	3.50	71.50	250