

Weight and Balance
Schleicher ASW-20

June 7, 2003
N46811

S/N 20013

NOTE: Aircraft weighed with approximately 7.5 lb. tail ballast which was previously installed.

Weights:	Main	Gross	Tail
	576.0 lb.	Tare	104.0 lb
	.5		16.25
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TOTALS:	575.5 lb	NET	87.75 lb.

Empty weight: 663.25 lb.

Formula:

$EWCG = W2 \times b$

$\frac{\text{-----}}{W} + a$

$= 87.75 \times 162.75$

$\frac{\text{-----}}{663.25} + 4.25$

$= 25.78$ inches aft of datum

W2 = net weight at tail wheel = 87.75 lb.

W = total empty weight = 663.25 lb.

b = distance, main wheel to tail wheel = 162.75 "

a = distance, wing leading edge to main wheel = 4.25"

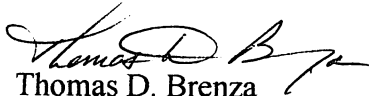
Datum: Wing leading edge at root rib

Useful load: 336.75 lb.

Maximum gross weight: 1000 lb.

Flight CG Range: 9.45 inches to 14.17 inches aft of datum.

Note: Pilot in command is responsible for determining proper CG loading prior to flight.



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