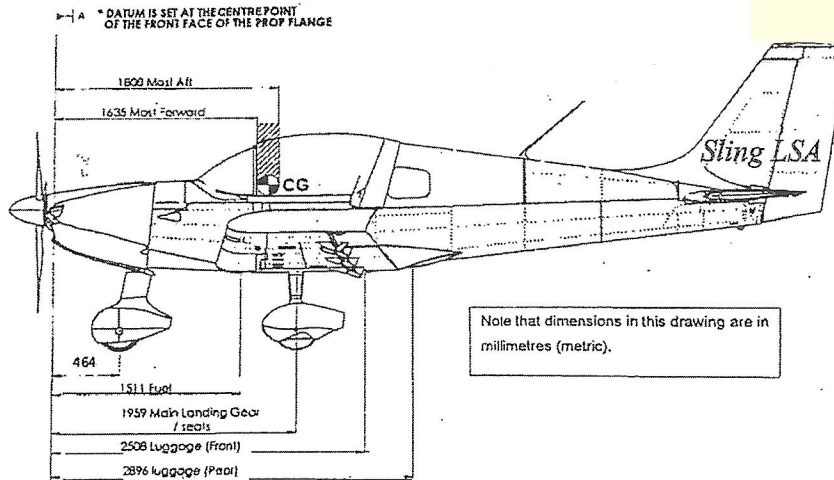


SLING AIRCRAFT (PTY) LTD
MASS AND BALANCE REPORT (SLING LSA)

N906BA

AIRCRAFT TYPE : Sling 2
 SERIAL NO : 422A
 REGISTRATION : N906BA

Basic Empty Weight = 952.4 lbs
 Basic Empty Moment = 63852.3
 lbs. in



The method of calculation of the aircraft empty mass, total aircraft moment, centre of gravity and percentage mean aerodynamic chord appear from formulae set out in the table and the formulae below.
 (Comply with the provisions of the aircraft maintenance manual when performing aircraft empty mass and balance)

	Item	Weight [kg]	Arm [mm]	Moment [kg.mm]
Aircraft Empty CG	Nose Wheel	$W_N = 74.0$ kg	$L_N = 464$ mm	$M_N = W_N \times L_N = 34336$ kg.mm
	Left Main Wheel	$W_L = 182.0$ kg	$L_L = 1959$ mm	$M_L = W_L \times L_L = 356538$ kg.mm
	Right Main Wheel	$W_R = 176.0$ kg	$L_R = 1959$ mm	$M_R = W_R \times L_R = 344784$ kg.mm
	Computed CG Empty	$W_E = 432.0$ kg		Total aircraft moment: $M_T = 735658$ kg.mm
		$WE = 952.3969726$ Lbs		

$$\text{Aircraft CG} = \frac{\text{Total aircraft moment} = M_T}{\text{Aircraft empty weight} = W_E} = \frac{735658}{432.0} = 1703 \text{ mm}$$

$$\text{CG as percentage of MAC} = \frac{(CG - 1366)}{1339} \times 100 = \frac{1703 - 1366}{1339} \times 100 = 25.2 \%$$

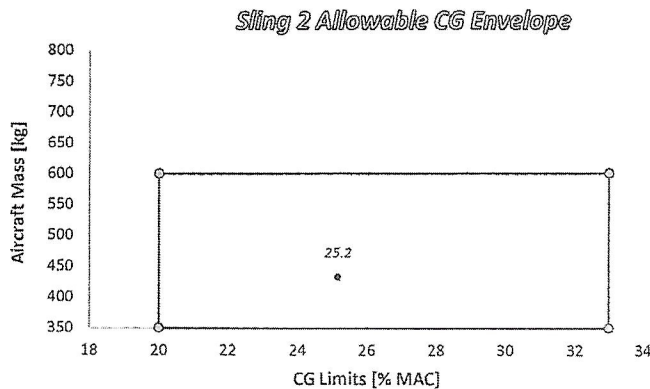
I hereby certify that the information as recorded above is correct in every respect to the best of my knowledge

NAME: Eric Hernandez

SIGNATURE: _____

A&P NO. 5039986

DATE: 06/13/2025



NOTES:

Artex ELT.

COM 2 Installed