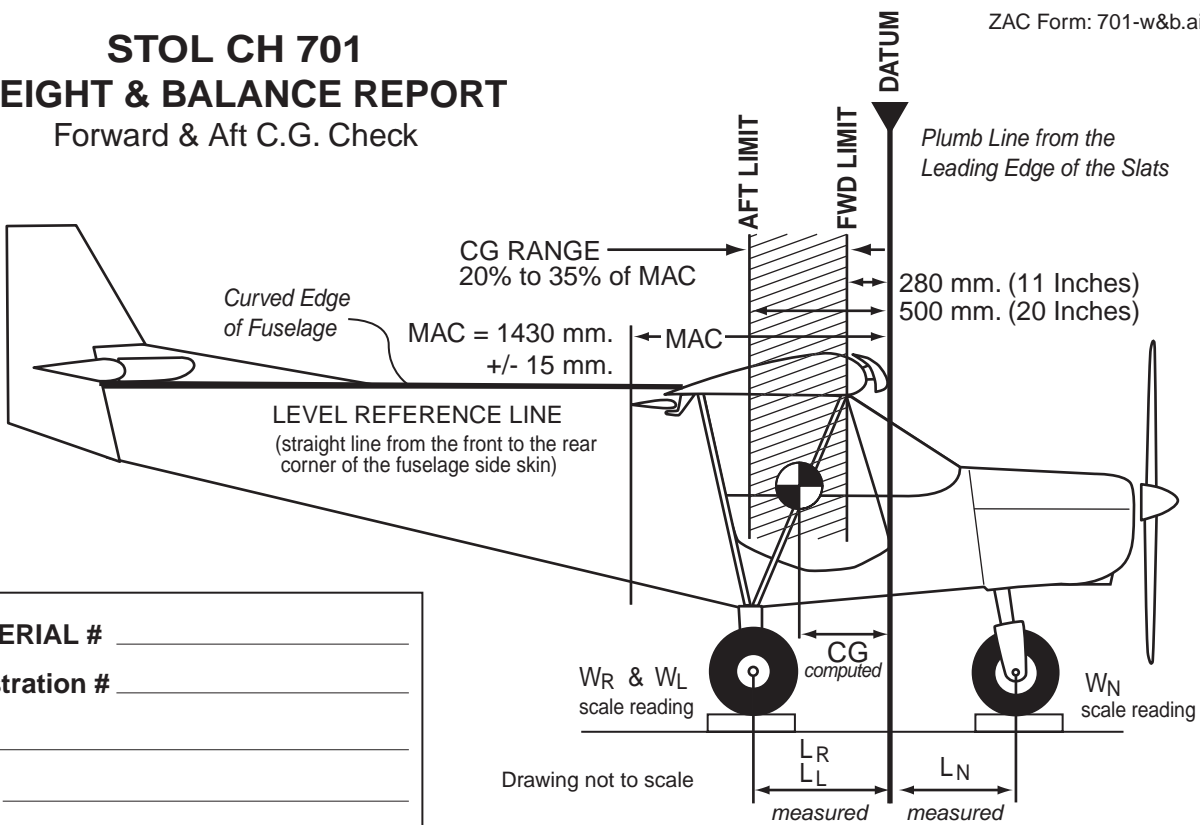


STOL CH 701

WEIGHT & BALANCE REPORT

Forward & Aft C.G. Check



KIT SERIAL # _____

Registration # _____

By: _____

Date: _____

ITEM	WEIGHT (pounds)	ARM (mm.)	MOMENT
AIRCRAFT EMPTY CG	RIGHT MAIN WHEEL $W_R =$ <i>Scale Reading</i>	$L_R =$ <i>Measured</i>	$W_R \times L_R$
LEFT MAIN WHEEL	$W_L =$	$L_L =$	
NOSE WHEEL	$W_N =$	$L_N = -$ <i>negative arm</i>	-
COMPUTED CG EMPTY	Empty Weight:	$CG =$ <i>Arm to Datum</i>	<i>Aircraft Moment</i>

Forward Check:
Add to the empty weight & aircraft moment items located forward of the computed empty CG (ie. Fuel) plus the pilot.

		MOMENT - Forward	MOMENT - Rear
PILOT / PASSENGER		600 *	
HEADER TANK (11 gal.)		-200	
"D" Header Tank (6 gal.)		-250	
WING TANKS L & R: ____ Gal. each		600	
REAR BAGGAGE (MAX. 40 Lbs.)		1050	
TOTAL	$TW_F =$	$TM_F =$	$TM_R =$
	$TW_R =$		
Gross Weight:	Take-Off Weight:	$CG_{FRD} =$	$CG_{AFT} =$

* Depends on seat position & individuals' weight distribution.

CG Range: From **280 mm.** to **500 mm.**

Center of Gravity (CG) = $\frac{\text{Total Moment (TM)}}{\text{Total Weight (TW)}}$