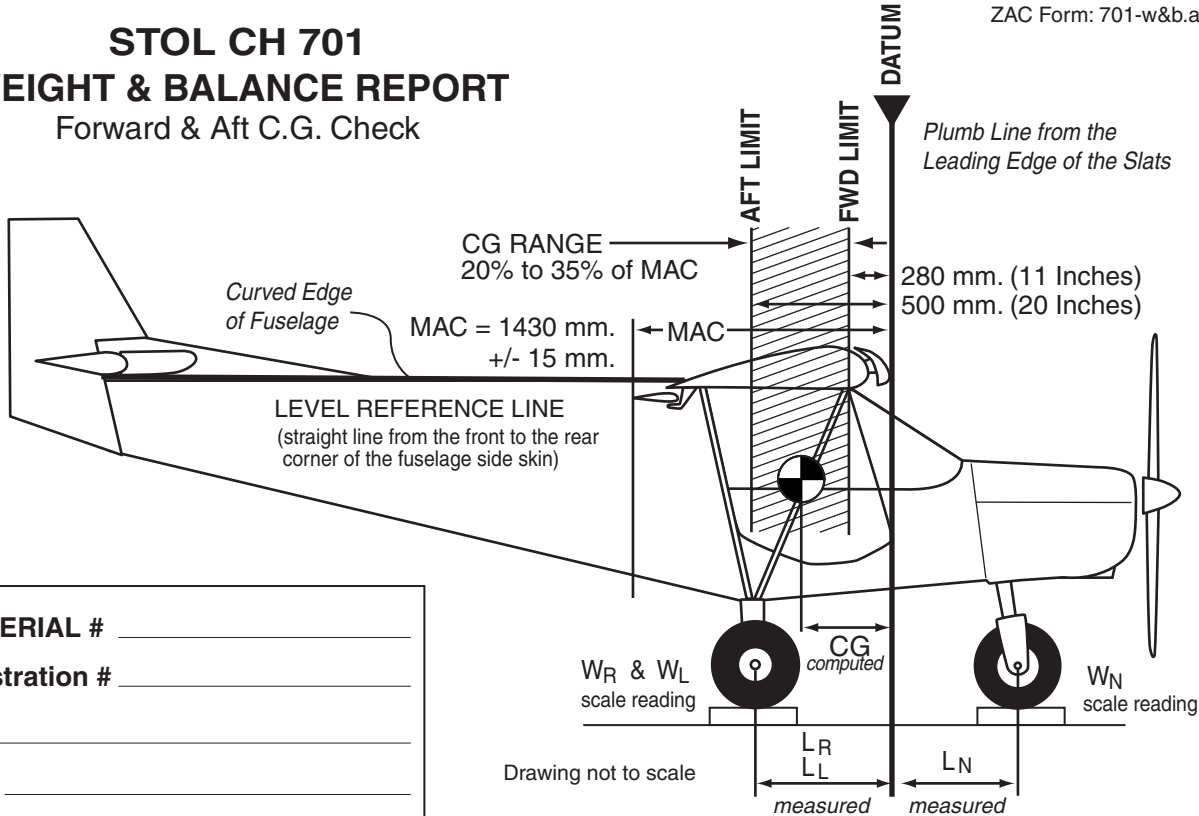


STOL CH 701

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	$TW_F =$	* Depends on seat position & individuals' weight distribution.	$TM_F =$	$TM_R =$
	$TW_R =$			
Gross Weight:	Take-Off Weight:			$CG_{FRD} =$

CG Range: From 280 mm. to 500 mm.

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