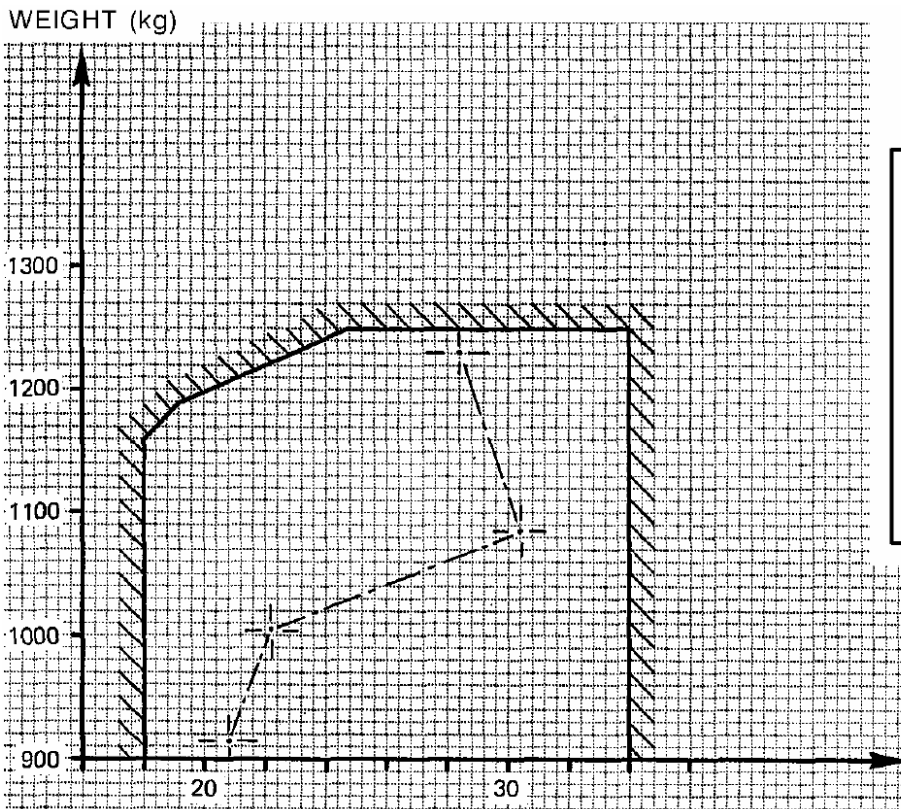


WEIGHT AND BALANCE TB 30 UTILITY		Mass	Mass Moment	C. G position
		[ Kg ]	[ Kg m ]	[ % ]
1	Basic mass and mass moment	932	237	
2	Front seat			
3	back seat			
4	Baggage			
5	ZFW mass and mass moment			
6	Dep. airfield:                      litres of usable fuel			
7	Total mass and mass moment with fuel (sum of 5 and 6)			
8	Arr. airfield 1:                      litres of usable fuel			
9	Total mass and mass moment with fuel (sum of 5 and 8)			
10	Arr. airfield 2:                      litres of usable fuel			
11	Total mass and mass moment with fuel (sum of 5 and 10)			
12	Arr. airfield 3:                      litres of usable fuel			
13	Total mass and mass moment with fuel (sum of 5 and 12)			

### Permissible Center of Gravity Limits



**EXAMPLE :**

	$m_o = 912 \text{ kg}$	$M_{to} = 237 \text{ kg}$
FRONT PILOT	90 kg	41 mkg
REAR PILOT	80 kg	133 mkg
FUEL	150 kg	28 mkg
	$m = 1232 \text{ kg}$	$M_t = 439 \text{ mkg}$

$$C = \frac{439}{1232} \times \frac{100}{1,25} = 30,5 \%$$

$$C \% = \frac{M_t}{m} \times \frac{100}{1,25}$$

BALANCE (REFERENCE CHORD %)

