

6 Payload (continued)Minimum permitted seat load (Pilot and parachute)

For the determination of the "minimum permitted seat load" it must be ensured, that

- o the lowest permitted flight mass is not undershot
- o and the permitted empty mass c/g range is observed

For establishing a „Weight & Balance Report“ the following lever arms might be useful:

	C/G in reference
Trim ballast moiting provision in fuselage nose	1800 mm / 70.87 in forward of datum
Engine battery under instrument panel	1220 mm / 48.03 in forward of datum
Pilot (with parachute or back cushion)	580 mm / 22.84 in forward of datum
Main wheel	52 mm / 2.05 in aft of datum
Water ballast wing – inner tank	194 mm / 7.64 in aft of datum
Water ballast wing – outer tank (only 18 m, in outer wing panel)	375 mm / 14,78 aft of datum
Steerable tail wheel	4418 mm / 171.9 in aft of datum
Fixed tail wheel / skid	4197 mm / 163.2 in aft of datum
Water ballast vertical tail	4194 mm / 165.1 in aft of datum
Battery vertical tail	4120 mm / 162.2 in aft of datum
Fuselage fuel tank	425 mm / 16.73 in aft of datum
Power plant with spindle drive and propeller	950 mm / 37.4 in aft of datum