
G 103 C TWIN III SL

PILOT'S OPERATING HANDBOOK

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6.1 Introduction

This section contains information regarding empty weight and payload data within which the motorglider may be safely operated.

Procedures for determining the empty weight, the calculation method for establishing the empty weight c.g. position and a list of the equipment which must be considered during the weighing of the aircraft are contained in the G 103 C TWIN III SL Maintenance Manual.

6.2 Weight and Balance Record

After weighing, the empty weight, the payload (seats and baggage compartment) and the empty weight c.g. position shall be recorded in the weighing record (see next page).

If the weight and balance record is observed, the flying weight c.g. position is always within the demonstrated range. This means that when loading the motorglider, it must only be ensured that the max. permissible flying weight is not exceeded.

The weight and balance record is only valid for the aircraft with the serial number indicated on the front page of this Pilot's Operating Handbook.

If the minimum load is not achieved in the front seat, trim ballast weights must be added for compensation.

Changes of Minimum Load due to Trim Weights

In the front cockpit (LH footwell) of all aircraft, a mounting bracket for two trim weights is installed on the control stick frame.

Moment arm:

1543 mm (60.75 in.) forward of datum with 1 trim weight

1560 mm (61.42 in.) forward of datum with 2 trim weights

The use of trim weights is established by the following placard:

TRIM WEIGHTS				
Pilot's weight including parachute	kg	55 - 62.4	62.5 - 69.9	70 - 110
	lbs	121 - 137	138 - 153	154 - 242
Number		2	1	0
1 Trim Weight 5.6 kg (12.3 lbs)				

Weighing Record

Date of Weighing: performed by:	Equipment List (Date):	Empty Weight of Aircraft (kg):	Empty Weight c.g. Position Aft of Datum (mm):	Max. Payload (kg): both seats, fuel, baggage	Sig- na- ture