

GLASFLÜGELDEUTSCH-BRASILIANISCHE FLUGZEUG-
UND FAHRZEUGBAU GMBH
TELEFON 07026/855
7318 LENNINGEN WÜRTT. 1TECHNICAL NOTE
NO. 303-2German Data Sheet
No. 318

Subject: Provision of ballast compartment in nose bulkhead

Affected: Glider Model "Mosquito B"
all Works Nos.
Modification optional

Urgency: none
Installation optional

Method: The nose bulkhead is removed and an appropriate opening is cut in it to accommodate a ballast box, available from Glasflügel (drawing number 303-17-1), which should be fitted to the bulkhead using the existing bulkhead screws.

Material: As per drawing number 303-17-1.

Weight: 0.3 kg (0.66 lbs).

Effect on centre of gravity: Lead ballast installed in the ballast box will compensate for insufficient seat loads by a ratio of 1 to 2.4

Pilot lever arm : x_p = - 480 mm
Ballast box lever arm : x_b = - 1625 mm
Max. rear C/G position: x_{CG} = 325 mm
(lever arms in relation to datum point)

Remarks: If a ballast box is installed the flight manual wording on page 13, figure 2.6. should be amended as follows:

"Where pilots with parachutes do not reach the placarded minimum cockpit load the appropriate amount of lead ballast must be carried. One kg of lead ballast (2.2 lbs) in the ballast box will compensate for 2.4 kg (5.3 lbs) insufficient seat load. Maximum lead ballast capacity of the ballast box is 6 kg (13.2 lbs).

Suitable lead ballast plates are available from Glasflügel."

Modification may be carried out by an authorized person (ballast box available from Glasflügel) and must be entered in the gliders log book by a licensed inspector.

Lenningen, 7.2.1980

Martin Hansen
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