

Subject: Replacement of the elevator pushrod guide made out of felt for a roller bearing guide.

Affected gliders: All Ka 6 variants.

Compliance: None, optional modification.

Reason: In the past felt-type guides have frequently hardened and worn out. Therefore, their replacement by wear-free guides is deemed appropriate.

Action: Screw off the nose cone; undo the elevator pushrod at the attachment points at bulkhead 14 and at the elevator bellcrank, and pull it out forwards. On the fuselage underside between bulkheads 15 and 16 as well as between bulkheads 19 and 20 respectively an opening is cut out (15 cm width x distance between the bulkheads). Then cut out the old felt guide at the bulkheads 15, 16, 19, and 20 up to the edge of the plywood bore-hole. At the front side of each bulkhead the roller bearing guide is aligned and fixed such that in each case 2 roller bearings are lying symmetrically at the bottom and one roller bearing on top in the center respectively. Now drill mounting holes (3 for each guide) with a diameter of 4,1 mm; fix the roller bearing guides with screws M4 x 18 using a large washer 4,3 x 12 and a stop nut. Re-install the elevator pushrod and the nose-cone properly and resplice the cut installation openings.

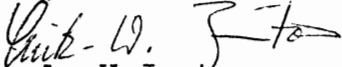
Material & drawings: 4 off roller bearing guides (drawing 99.000.2090);
12 off screws M4 x 18 (DIN 960)
12 off washers 4,3 x 12 (DIN 9021)
12 off stop nuts M4 (DIN 985)

Mass and C.G.: The influence is neglectable (increase of the all-up weight owing to the modification: 300 g)

Notes:
1. This modification can be accomplished by a qualified person. The accomplishment of the action must be certified in the glider logbook and in the inspection certificates by an aviation inspector holding an appropriate license.
2. The parts required for this action are available from SCHLEICHERS or from FLUGWISSENSCHAFTLICHE FACHGRUPPE GÖTTINGEN, Bunsenstr.10, 3400 Göttingen.

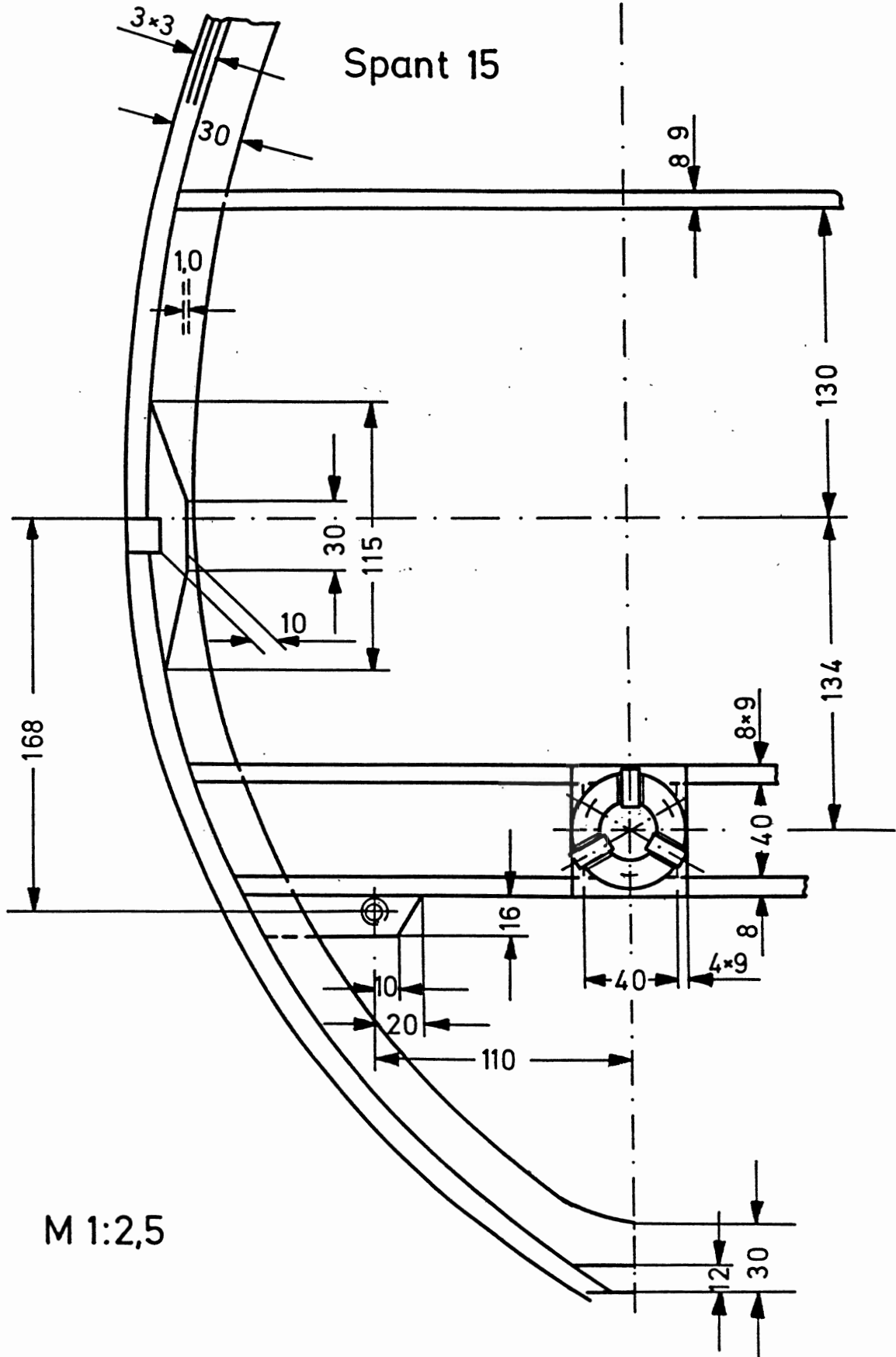
Poppenhausen, March 27, 1986

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L.-W. Junzow

The German original of this Technical Note has been approved by the LBA under the date of April 3, 1986 (signature: SKOV). The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.

EXAMPLE FOR PUSHROD GUIDE



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