

Subject: Use of an alternative propeller.

Serial number applicability: ASW 22 BE, Document No. L-834, all Serial Numbers.

Compliance: None, optional on customer's request.

Reason: In order to reduce noise emission as well to improve smooth run of the retractable power-plant a new fixed pitch propeller was developed for the ASW 22 BE powered sailplane by TECHNOFLUG Leichtflugzeugbau GmbH.

Action: For exchange of the MT-Propeller against the new TECHNOFLUG-Propeller, a spacer disc AS-P/N 228.67.0060 must be inserted between propeller and propeller flange of the reduction gear. The thickness of this spacer must perhaps be adapted. This depends mostly on the space available in the rear engine compartment. It may also be necessary to remove some inner skin and core material of the engine compartment doors.

The new propeller KS-1C-158-R-108 is mounted according to the instructions given in the Maintenance Manual, pages 0.4 and 2.6 as well as the operations manual No. P3, provided by the manufacturer TECHNOFLUG for fixed pitch two blade FRP-propellers. The old bolts to hold the propeller M8x70 (grade 8.8) may be used.

In the Flight Manual pages 0.4 and 2.6 and in the Maintenance Manual pages 0.4, 0.5, 0.6, 1.7, 2.8, 2.9, 4.5, 5.6 and 12.7 must be exchanged against new ones with the revision status „TN 2 / 15.07.93 JUW“. The exchange must be documented in the „Table of Revisions“ of the manuals.

For amendments to the manuals please regard the following:

When a new page according to this TN is to be exchanged against an old one which is already corrected by an amendment (of a TN for example), the old page remains valid and the new page is simply added.

Material and drawings:

See chapter „Action“ above.

Material necessary to do the modification according to this TN 02, the propeller KS-1C-158-R-108 as well as the new manual pages can be ordered from the factory Alexander Schleicher GmbH & Co., Tel.: ++49 6658 890 or FAX ++49 6658 8940. Please give model and S/N of the powered sailplane with the order.

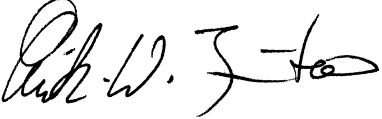
Weight (Mass) and Balance:

The new propeller is about .8 kg lighter including the spacer and so close to the C.G. that a weight and balance procedure is not necessary.

Notes: The installation of a propeller is subject to an inspection by an inspector approved to do so. All action has to be documented by the inspector in the sailplane's log book, Flight and/or Maintenance Manual and the records of inspections.

Poppenhausen, July 16, 1993

Alexander Schleicher
GmbH & Co.

i.A. 
(Lutz-W. Juntow)

The German original of this Technical Note has been approved by the LBA under the date of Sept. 28, 1993 (signed by D. Walter).

The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.