

Subject: Operation of the 15m wing span version with winglets designed by Messrs. Fiberglas-Technik Rudolf Lindner GmbH & Co. KG, Germany.

Serial number applicability:

All ASW 20, Document No. 314,
Variants ASW 20 and 20L, Serial Number 20001 through 20150,
Serial Number 20201 through 20500,
Serial Number 20551 through 20611,
Variants ASW 20B and 20BL, Serial Number 20620 through 20626,
Serial Number 20632 through 20699,
Serial Number 20950 through 20957,
Variants ASW 20C and 20CL, Serial Number 20627 through 20631,
Serial Number 20700 through 20865.

Compliance: None, optional after installation with Lindner winglets.

Reason:

The aircraft factory
Fiberglas-Technik Rudolf Lindner GmbH & Co. Kg
Luftfahrttechnischer Betrieb
Telephone ++49 7353 2243
Alpenweg 11
D-88487 Walpertshofen bei Mietingen
has developed 0.40 m high winglets for above mentioned variants of the ASW 20 model sailplane and obtained a certificate of airworthiness for those.

All ASW 20 which are already equipped with a detachable wing tip according to
TN 8a for ASW 20 and 20L,
TN 19a for ASW 20B and 20BL,
TN 20a for ASW 20C and 20CL,
can be optionally operated with winglets made by Messrs. Lindner.

Action:

1. When the wing tips are not detachable yet, this must be installed according to TN 8a for the ASW 20, TN 19a for the ASW20B or TN 20a for the ASW 20C.
2. For ASW 20 and 20L winglets according to drawing No. 200.51.0401 are built and adapted to the wing.
For ASW 20B and 20BL as well as ASW 20C and 20CL winglets according to drawing No. 201.51.0403 are built and adapted to the wing.
3. The following Manual pages with the revision status „TN 37 dated 31 JAN 97 Juw“ must be amended to the Flight and Maintenance Manuals as an annex. The exchange must be documented in the „Table of Revisions“ of the manuals.

ASW 20: Flight and Operations Manual, page TN 37-1
ASW 20L: Flight and Operations Manual, page TN 37-1
ASW 20B: Flight Manual, page TN 37-1
ASW 20B: Maintenance Manual, page TN 37-1
ASW 20BL: Flight Manual, page TN 37-1
ASW 20BL: Maintenance Manual, page TN 37-1
ASW 20C: Flight Manual, page TN 37-1
ASW 20C: Maintenance Manual, page TN 37-1
ASW 20CL: Flight Manual, page TN 37-1
ASW 20CL: Maintenance Manual, page TN 37-1

Material and drawings:

For the construction of the detachable wing tips see the instructions and drawings of TN 8a, TN 19a or TN 20a.

For building ASW 20 winglets use drawings No. 200.51.0401 and 200.51.0402,
For building ASW 20B and 20C winglets use drawings No. 201.51.0403 and 200.51.0402.

Components and material to execute this TN are available from:
Fiberglas-Technik Rudolf Lindner GmbH & Co. KG, Tel. ++49 7353 2243 or
FAX ++49 7353 3096 and
Alexander Schleicher GmbH & Co., Tel ++49 6658 890 or FAX ++49 6658 8940.
It is necessary to give the serial number of the sailplane with the order.

Weight (Mass) and Balance:


The installation of detachable wing tips as well as the installation of the winglets increase the weight of the wings by a small amount. As however the c.g. of the additional components is situated in the in flight c.g.-limits, the installation is uncritical.
As the 15m span version with the serial wing tips is the lighter one, the weight and balance must be done in that configuration,

Notes:

1. For the installation of detachable wing tips only original components and parts from the manufacturer of the sailplane (A. Schleicher) must be used,
2. Structural action must only be done by the manufacturer of the sailplane (A. Schleicher), Fiberglas-Technik Rudolf Lindner or a repair station approved for such work by these two firms.
3. Winglet kits are available only from:
Fiberglas-Technik Rudolf Lindner GmbH & Co. KG
or Alexander Schleicher GmbH & Co

Walpertshofen, 31 JAN 97

Fiberglas-Technik
Rudolf Lindner GmbH & Co. KG



(Helmut Lindner)

The German original of this Technical Note has been approved by the LBA under the date of 20 FEB 1997 (signed by H. Fendt).

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