

**Subject:** Wings with integrated (wet inner surface) water ballast tanks. Correction of the forward empty weight c. g. - limits.

**Serial number applicability:** ASW 27, Document No. 389, Serial -No. 27105; 27109; 27110; 27113; 27115; 27116 and 27119 until 27177; as off Serial -No. 27178 serial version ex manufactory.  
Serial numbers as off 27001 when both wings according to ASW27 TN-No. 2 must be replaced.

**Compliance:**

- 1) Prior to next flight: Installation of a warning placard.
- 2) Within 14 days: Amend pages to the Manuals.
- 3) For the next annual inspection: Check forward empty weight c. g.

**Reason:** Water ballast filled into integrated (wet inner surface) wing water tanks is more nose heavy than when filled into wings with soft water bags. To compensate this, heavy pilots must only use the rearmost back rest position.

**Action:** 1) Installation of a warning placard below or beneath the data placard:

When water ballast is used pilots weighing  
105 kg (231.5 lbs.) incl. parachute or more  
must use the rearmost back rest hinge position!

2) The following Manual pages must be exchanged against new ones with the revision status "TN 9 26.02.2002 / Juw". The exchange must be documented in the "Record of Revisions" of the manuals:

In the Flight Manual:           page 0.4; 0.5; 2.10; 7.9  
In the Maintenance Manual:   page 0.4; 0.5; 6.5; 9.7

For Manual amendments please regard the following information :

When an existing Manual page which should be exchanged against a new one according to this TN is already an amended one because of an earlier TN, both pages remain in the Manual.

3) For the next annual inspection check forward empty weight c. g. according to new diagram on Maintenance Manual page 6.5 .

**Material and drawings:** See section Action above.

**Weight (Mass) and Balance:** A weight and balance procedure is not necessary.

**Notes:** Actions 1) and 2) must be done by the operator of the sailplane.

Necessary Manual pages can be ordered from Alexander Schleicher GmbH & Co.,  
Telephone ++49 6658 890, Fax ++49 6658 - 8940 or via  
e-mail: sales@alexander-schleicher.de

The check of the empty weight c. g. - limits and action following this check must be documented by an inspector authorised for such work in the sailplane's log book, Flight and/or Maintenance Manual and the records of inspections.

Poppenhausen, 26 February 2002

**Alexander Schleicher**  
GmbH & Co.

By order of  
(Gerhard Waibel)

The German original of this Technical Note has been approved by the LBA under the date of Feb. 02. 2002 (signed by Ronig)

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