

new zip code: D-36163

Subject: Im provement of the product by modification of the contour of the outboard wing leading edge.

Serial Numbers, applicability: ASW 24 / ASW 24 B, german document No. 366,  
A) Serial-Numbers (S/N) 24227 und 24228, and from S/N 24231 incl. onwards serial modification of the wing leading edge along the aileron span.  
B) S/N 24001 through 24226, and S/N 24229 and 24230 optional retrofit modification of the outboard leading edge of the wing.

Compliance: None, optional retrofit modification, serial version for new production.

Reason: By rounding the wing leading edge in the aileron region where the wing chord is narrow and therefore Reynold's-Numbers are small compared to the inner wingsections the profile is better adapted to the local Re-Numbers. By rounding the wing nose boundary layer separations should be less in tight thermals and strong turbulence.

Action:  
A) Because of modified wing molds new production wings get the rounded leading edge.  
B) The wing leading edge is sanded in the areas shown in the drawings from the taper change to the tip. By use the template set the new leading edge contour is sanded (max. 0,43% of the local chord can be removed but not further then first aramid fibres get visible) then the area is smoothed and repainted.

Material and drawings: ad B) Wing leading edge templates R 8 (rib 8) through R 13, and drawings 240.51.9001 and 240.51.9002 .

Weight and balance: he differences in mass are neglectable and if any they are close to the c.g. Therefore a Weight and Balance is not necessary.

Note: ad A) Because of the need of the molds new wings can only be produced by the manufacturer.

ad B) The modification of the wing leading edge can be done by Alexander Schleicher GmbH & Co. or a repair station authorised for such work.

All actions have to be certified by an authorised inspector and documented in the logbook and the maintenance records.

For this TN 08 the ASW 24 substantiation has been amended by the pages 1953 through 1963.

Poppenhausen, June 23, 1994

ALEXANDER SCHLEICHER

GmbH u. Co.

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The German original of this Technical Note has been approved by the LBA under the date of July 12, 1994 (signature: H. Fendt).

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

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Wing Geometry

Length of Wing Chords:

Wing Rib No [-]	Span Position y [mm]	Length of Chord L [mm]
(R0)	0,00	866,700
<del>R1</del>	<del>330,000</del>	<del>854,774</del>
<del>R2</del>	<del>941,785</del>	<del>832,663</del>
<del>R3</del>	<del>1553,571</del>	<del>810,553</del>
<del>R4</del>	<del>2165,357</del>	<del>788,442</del>
R5	2777,143	766,332
R6	3388,930	744,224
R7	4000,714	722,111
R8	4612,500	700,000
R9	5150,000	619,957
R10	5687,500	539,913
R11	6225,000	459,870
R12	6762,500	379,827
R13	7300,000	299,784
<del>(R14)</del>	<del>7500,000</del>	<del>270,000</del>

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ASW 24

Anhang zu TM-Nr. 08

Annex TN 8

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