

GFA AN 153
(ISSUE 1)

AIRWORTHINESS ADVICE NOTICE

TYPES AFFECTED: As listed on attached Schleicher General Technical Note.

SUBJECT: Optional installation of O-ring to tailplane mounting bolt.

BACKGROUND: Incidents have occurred where gliders have flown with the tailplane attachment bolt wrongly fitted or not fitted at all.

DOCUMENTATION: The Schleicher General Technical Note (2 pages and 2 drawings) is attached and forms part of this AN.

COMPLIANCE: Optional.

ACTION: If this option is decided upon by the owner/operator, carry out actions described in the attached Schleicher General Technical Note. Work to be carried out by person holding a minimum of Minor Repairs FRP.

SIGNED:

for  
CHIEF TECHNICAL OFFICER AIRWORTHINESS

For and on behalf of:

**THE GLIDING FEDERATION
OF AUSTRALIA**

Model:	ASK 21	TN-No.	28
	ASK 23 / ASK 23 B	TN-No.	13
	ASW 19 / ASW 19 B	TN-No.	27
	ASW 20, all production series versions	TN-No.	40
	ASW 20 TOP, all production series versions	TN-No.	40
	ASW 24 Prototype	TN-No.	40
	ASW 22 / ASW 22 B / ASW 22 BL	TN-No.	11
	ASW 22 BE / ASW 22 BLE / ASW 22 M	TN-No.	6
	ASW 24 / ASW 24 B	TN-No.	11
	ASW 24 E	TN-No.	6
	ASW 24 TOP	TN-No.	4
	ASH 25	TN-No.	15
	ASH 25 E / ASH 25 M	TN-No.	13
	ASH 26	TN-No.	5
	ASH 26 E	TN-No.	9

Subject: Nose bolt with O-Ring

Serial number applicability:	ASK 21	German TC No. 339	all Serial Numbers
	ASK 23 / ASK 23 B	German TC No. 353	all Serial Numbers
	ASW 19 / ASW 19 B	German TC No. 308	all Serial Numbers
	ASW 20, all production series versions	German TC No. 314	all Serial Numbers
	ASW 20 TOP, all production series versions	German TC No. 05.851	all Serial Numbers
	ASW 24 Prototype	Serial-No. 24000	
	ASW 22 / ASW 22 B / ASW 22 BL	German TC No. 351	all Serial Numbers
	ASW 22 BE / ASW 22 BLE / ASW 22 M	German TC No. 834	all Serial Numbers
	ASW 24 / ASW 24 B	German TC No. 04.366	all Serial Numbers
	ASW 24 E	German TC No. 859	all Serial Numbers
	ASW 24 TOP	German TC No. 864	all Serial Numbers
	ASH 25	German TC No. 04.364	all Serial Numbers
	ASH 25 E / ASH 25 M	German TC No. 858	all Serial Numbers
	ASH 26	German TC No. 383	all Serial Numbers
	ASH 26 E	German TC No. 883	all Serial Numbers

Compliance: None, optional retrofit on customer's request. Serial version in new production sailplanes.

Reason: We learnt of incidents, mainly with aircraft other than Schleicher types, where pilots have flown either without the horizontal stab nose bolt fitted or with the nose bolt wrongly fitted.

These incidents cause us to incorporate an O-ring into this nose bolt so that it can no more be removed from the stabilizer leading edge and protrudes visibly if not screwed in. This feature has already successfully been incorporated into the ASW 27.

Action: In accordance with drawing 000.33.9001, Sheet 1 drill a hole into the nose fitting at the stabilizer underside and ream. As shown on Sheet 2 a groove must be milled into the nose bolt for the O-ring; afterwards the bolt must be protected against corrosion by using a suitable surface treatment (see Drawing 000.33.9001, Sheet 2). Then insert the nose bolt into the nose fitting of the horizontal stabilizer and fit the O-ring into the groove of the nose bolt. For this purpose the O-ring should be greased, e.g. with Vaseline.

Where applicable this Technical Note must be inserted as Appendix into the respective aircraft's Flight and Operations Manual (Flight and Maintenance Manual respectively) and the corresponding entry on this action must be made into the relevant "Record of Revision", or "Amendments Record", or "Index of Corrections" of the manual in question.

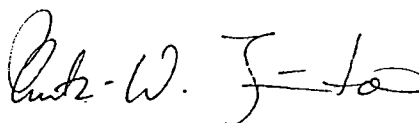
Material and drawings: Drawing 000.33.9001, Sheet 1, Nose fitting for bolt with O-ring in the horizontal tail
Drawing 000.33.9001, Sheet 2, Nose bolt with O-ring for horizontal tail

Notes: This action can be accomplished by a competent person. The accomplishment of this mod must be checked & certified by a licensed aviation inspector in the aircraft's log-book; Flight and Operations /Maintenance Manual and in the inspection documents.

Poppenhausen, June 28, 1999

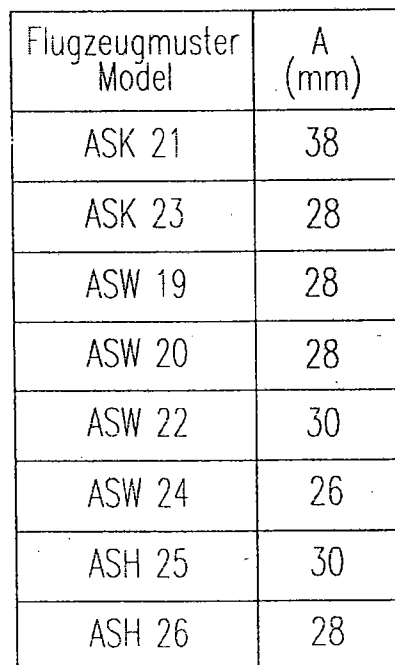
Alexander Schleicher
GmbH & Co.

by order


(Lutz-W. Juntow)

The German original of this Technical Note has been approved by the LBA under the date of March 14, 2000 (signed by Jung).

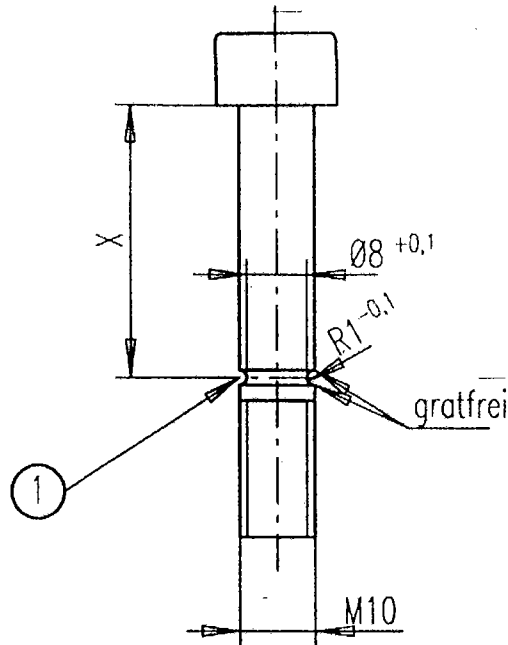
The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.



14.03.00

Gang

SL	Benennung				Lfd. Nr.	Werkstoff		Rohmaße Teil- oder DIN-Nr.		Bemerkung
					Datum	Name	Typ	Benennung		Maßst.
				Bearb.	23.06.99	Juw	ASH / ASK / ASW	Nasenbeschlag für Bolzen mit O-Ring im HLW		1:1
			Geprü.							
				Alexander Schleicher GmbH & Co. Segelflugzeugbau D-36163 Poppenhausen			Zeichnungsnummer 000.33.9001			Blatt 1
										2 Bl.
Zust.	Änderung		Datum	No.	Urspr.		Ers. f.		Ers. d.	



Flugzeugmuster Model	X (mm)	Nasenbolzen Teile-Nr.
ASK 21	95	210.33.0002
ASK 23	84	230.33.0002
ASW 19	54.8	99 000 4797
ASW 20	54.8	99 000 4797
ASW 22	63	226.33.0020
ASW 24	53	99 332 0125
ASH 25	63	250.33.0008
ASH 26	51.5	99 332 0125

Oberflächenschutz:

Serienmäßig von Hersteller Alexander Schleicher galvanisch verzinkt (gal Zn 5 mt).
nach DIN 267 Blatt 9, wenn die O-Ring-Nut nachträglich angebracht wird, mit einem
geeigneten Rostschutzlack konservieren!



14.03.00

Yung

*) wahlweise d1 7.50 / d2 1.50

1	O-Ring d1 8.00 / d2 1.60 *)				1	NBR 70			nicht gezeichnet	
St.	Benennung				Lfd. Nr.	Werkstoff		Teil- Rohmaße oder DIN-Nr.		Bemerkung
					Datum	Name	Typ	Benennung		Maßst.
				Bearb.	24.06.99.	Juw	ASH / ASK / ASW	Nasenbolzen mit O-Ring für HLW		1:1
			Geprü.							
				Alexander Schleicher GmbH & Co. Segelflugzeugbau 0-36163 Poppenhausen			Zeichnungsnummer 000.33.9001			Blatt 2
										2 Bl.
Zust.	Änderung		Datum	No.	Urspr.		Ers. f.		Ers. d.	