

GFA AIRWORTHINESS DIRECTIVE

TYPE AFFECTED: DG-1000S Serial no's: All

SUBJECT: Incorrect mounting of Horizontal Stabilizer.

BACKGROUND: A user managed to assemble the Horizontal Stabilizer onto the fin without connecting the Elevator drive. To prevent recurrence of this condition a deflector has been incorporated into the design.

DOCUMENTATION: The LBA has issued AD D-2004-300 and DG Flugzeugbau GmbH has issued Technical Note 413/3, which is attached and forms part of this AD.

REQUIREMENTS: Install a deflector plate and exchange pages of the Flight and Maintenance manuals in accordance with the instructions given in Technical Note 413/3 .

Copies of the MM and FM revision pages, and a parts order form are available from the GFA Secretariat, or can be downloaded from the DG website: <http://212.8.200.175/~techdg/tn/dg-1000/413-3/>

WEIGHT AND BALANCE: Negligible: Weight increase of 42 grams.

IMPLEMENTATION: Dec 31 2004.

COMPLIANCE: The requirements of this GFA Airworthiness Directive are mandatory. This Directive is issued pursuant to the Rules and Regulations of the Gliding Federation of Australia.

SIGNED:


CHIEF TECHNICAL OFFICER AIRWORTHINESS



For and on behalf of:

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OF AUSTRALIA

Subject : Assembly of the horizontal tailplane
Manual revision

Effectivity : DG-1000S, all ser. no.'s

Accomplishment : Dec. 31. 2004

Reason : 1. A user succeeded in assembling the horizontal tailplane without connecting the elevator. A deflector has therefore been designed to prevent false assembly.
2. Manual revision due to service experience.


Instructions : 1. Remove the rod- end 5St94, see MM diagr. 1 (issued Nov. 2001), measure and note the distance between the axis of the brass roller and the upper surface of the counter nut prior to removal.
2. Ship the rod end 5St94 to DG for modification to part 10St97/1.
3. Install part 10St97/1. Check elevator deflections after installation and correct if necessary. Use a new selflocking nut M5 DIN985.8zn.
4. Install the deflector 10St97/2 to 10St97/1 according to drawing 10St97.
5. Exchange the placard on the fin (No. 16 see MM diagr. 11).
6. Manual revision: Exchange the following manual pages against new pages issued May 2004 marked with TN 413/3. Regard the changes.
a) Flight manual: 0.1, 0.3- 2.12, 3.2, 4.3
b) Maintenance manual: pages 0.2, 0.6, diagrams 1 and 11


Material : manual pages see instruction 6
drawing 10St97
10St97/1 modified from 5St94
10St97/2
2 washers 5,3 DIN125 St zn
2 screws M5x8 DIN7991-8.8 zn
selflocking nut M5 DIN985.8zn
Loctite 243
placard for the fin (No. 16 see MM diagr. 11)

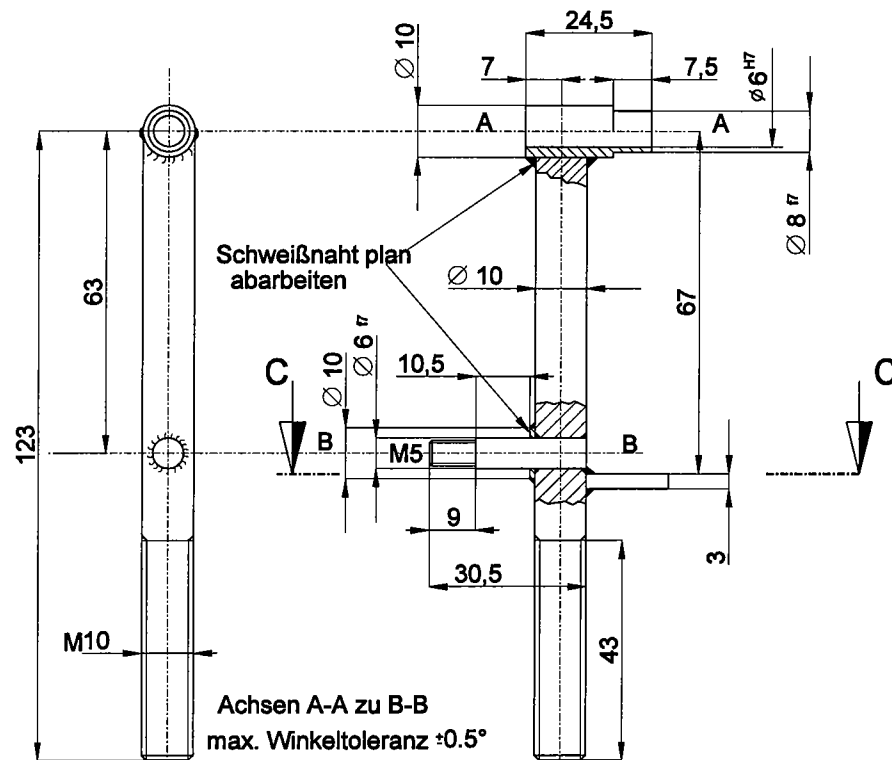
Weight and balance : Weight increase 42g, influence negligible

Remarks : Instructions No. 1 to 4 are to be executed by the manufacturer or by a licensed workshop and to be inspected and entered in the aircraft logs by a licensed inspector.

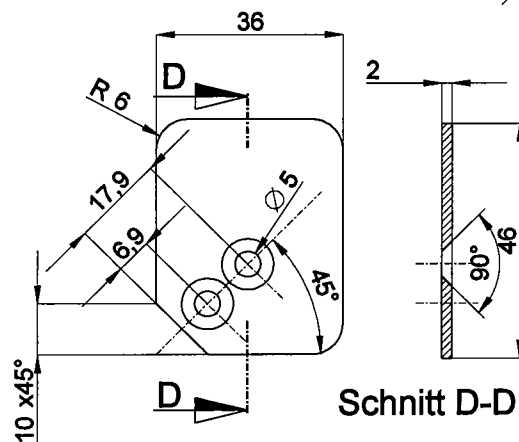
Bruchsal, date: April 28. 2004 LBA – approved:

Author: Dipl. Ing. Wilhelm Dirks The German original of this TN has been approved by the LBA under the date of 10. May 2004 and is signed by Mr. Blume.
 The translation into English has been done by best knowledge and judgement.

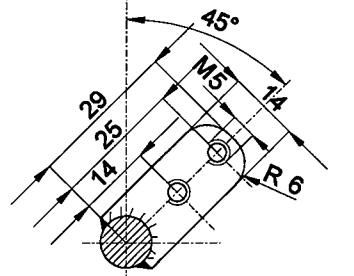
Type certification inspector: Dipl. Ing. Swen Lehner EASA approved on May 19th, 2004 under Approval No. 2004-5235




Teil 1	Stück 1
Oberflächenschutz: verzinkt, chromatiert	
Werkstoff: 1.7734.4	



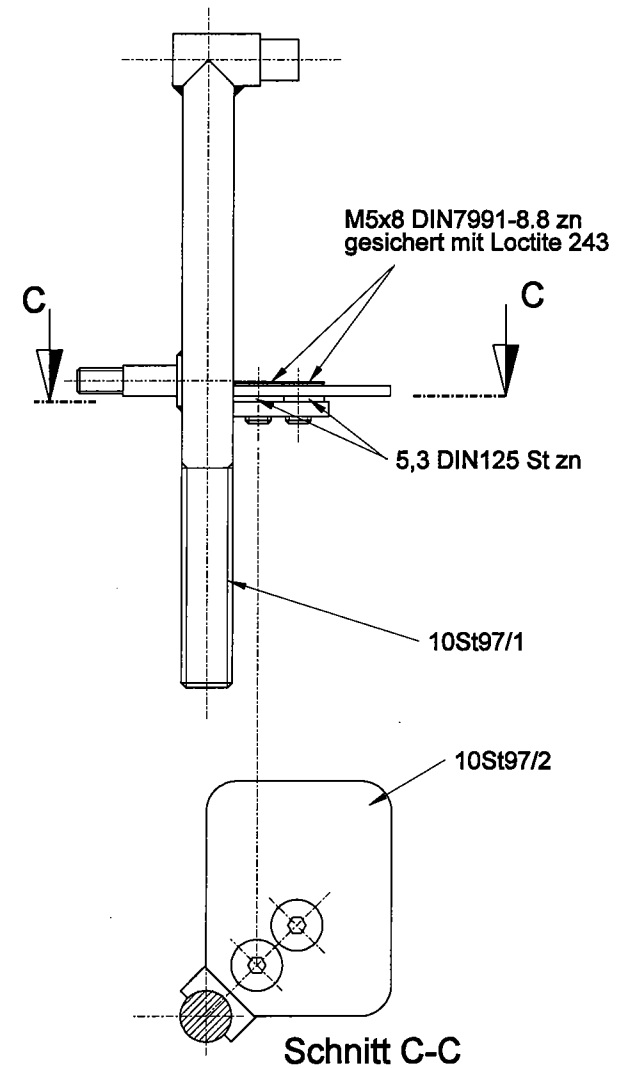
Schnitt D-D




Schnitt C-C

Teil 2	Stück 1
Oberflächenschutz: /	
Werkstoff: 1.4021	

Montage



Schnitt C-C

Toleranzen nach Arbeitsanweisung BA 1					Tag	Name	DG Flugzeugbau GmbH 76846 Bruchsal Otto-Lilienthal-Weg 2
Schweißen nach Arbeitsanweisung SA 1					Gez.	15.04.04 W.Dirks	
					Gepr.		
					Norm.		
					Maßstab	Höhensteuerung 1 Stossstangenkopf 2 Abweiser	 10St97
					1:1		
					:		
					Maße ohne Toleranz- ang. nach:		
Ausg.	Änderung	AM	Tag	Name			