

SUBJECT : airbrake levers in old DG-100's

EFFECTIVITY : DG-100 and DG-100G ser.no. 1 - 103

ACCOMPLISHMENT : with excessive free play of the levers in the airbrake box

REASON : With the old DG-100's the levers haven't been equipped with ball bearings at their hinge lines in the airbrake boxes. With excessive free play the levers should be exchanged against the new design with ball bearings.

INSTRUCTIONS : 1. Remove the old levers. Therefore you have to cut 1 hole in front and 1 hole aft of each lever into the lower side wing shell.
Warning: Keep enough clearance to the main spar.
2. Install the new levers according to drawing F19.
3. With serial no. 1 - 78 the rod end must be exchanged against type EA6. Care for the same adjustment.
4. Fix the 2 nuts M8 DIN 985 with some resin thickened with cotton flocks and 2 layers of glas fibre 2 x 92 125 50 x 50 mm each (2 in. x 2 in.)
5. Repair the wingshells according to DG-100 manual section 6.11.
6. Rig the glider and adjust the airbrakes so that they retract equal on both sides and for correct locking force.
7. Simulate airloads on the airbrakes and check for enough clearance over the whole operating range.

MATERIAL : drawing F19
1 St20/1 left with bushes St20/3 and 4
1 St20/1 left with bushes St20/3 and 4
2 St20/2 " " " " " "
8 washers 8,4 DIN 1440 Stzn
8 washers 8,4 DIN 9021 Stzn
4 bolts M8 x 90 - 8.8 zn DIN 931
4 nuts M8 DIN 985 - 8 zn
6 nuts M6 DIN 985 - 8 zn

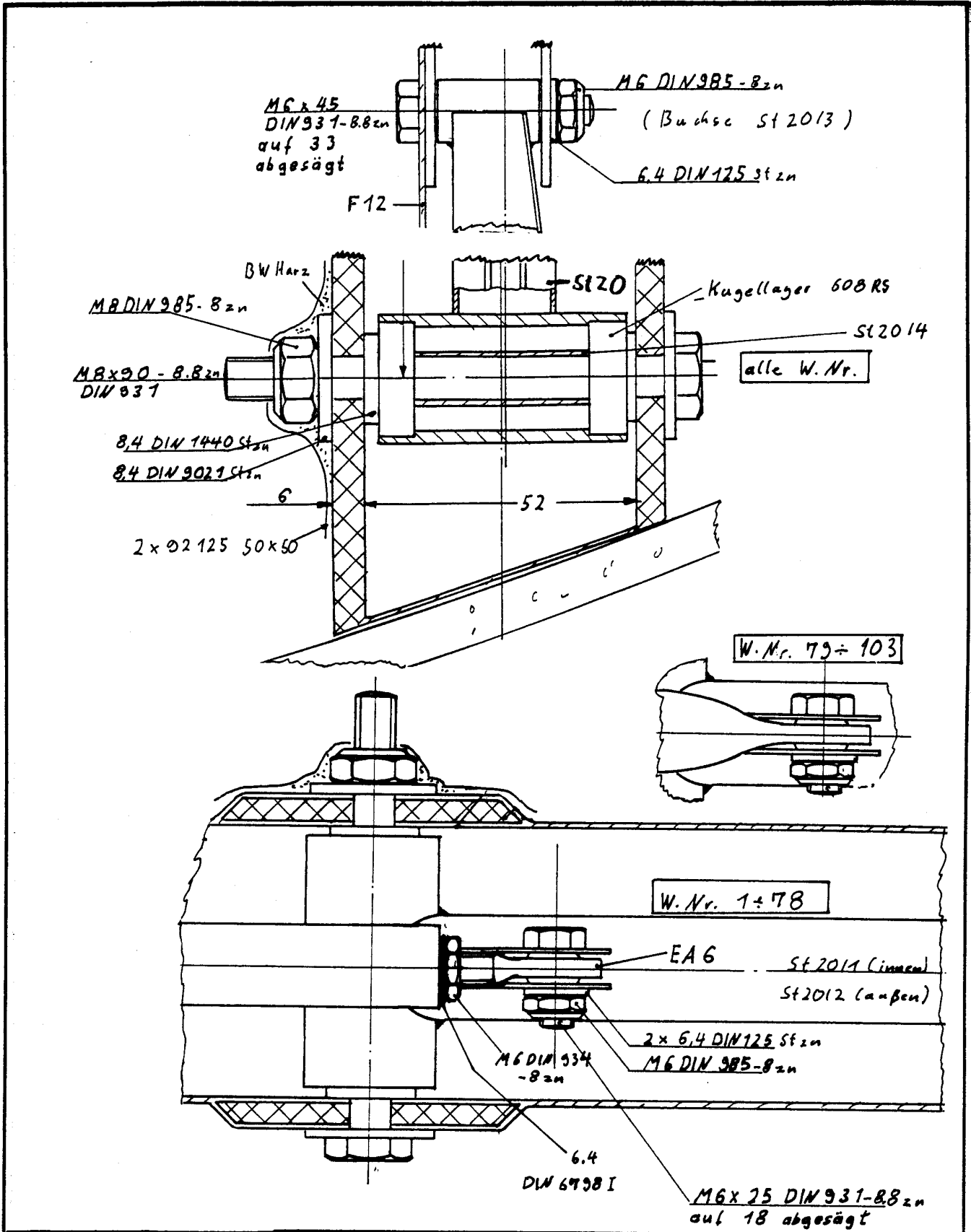
in addition ser.no. 1 - 78
2 rod ends EA6

REMARKS : Instructions No. 1 - 7 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 4, date 21.03.94



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				Tag	Name	Glaser-Dirks Flugzeugbau GmbH 7520 Bruchsal 4 Im Schellengarten 19-20	
				Geo.	6.11.20 W. Dirks		
				Gepr.			
				Norm.			
				Maßstab	1:1	Einbau neue Bremsklappenhebel in DG-100 (W. Nr. 1 ÷ 78 und 79 ÷ 103)	
				Maße ohne Toleranz- ang. nach:			
				Ausg.	Änderung		DG F 19
				ÄM	Tag		