0 General

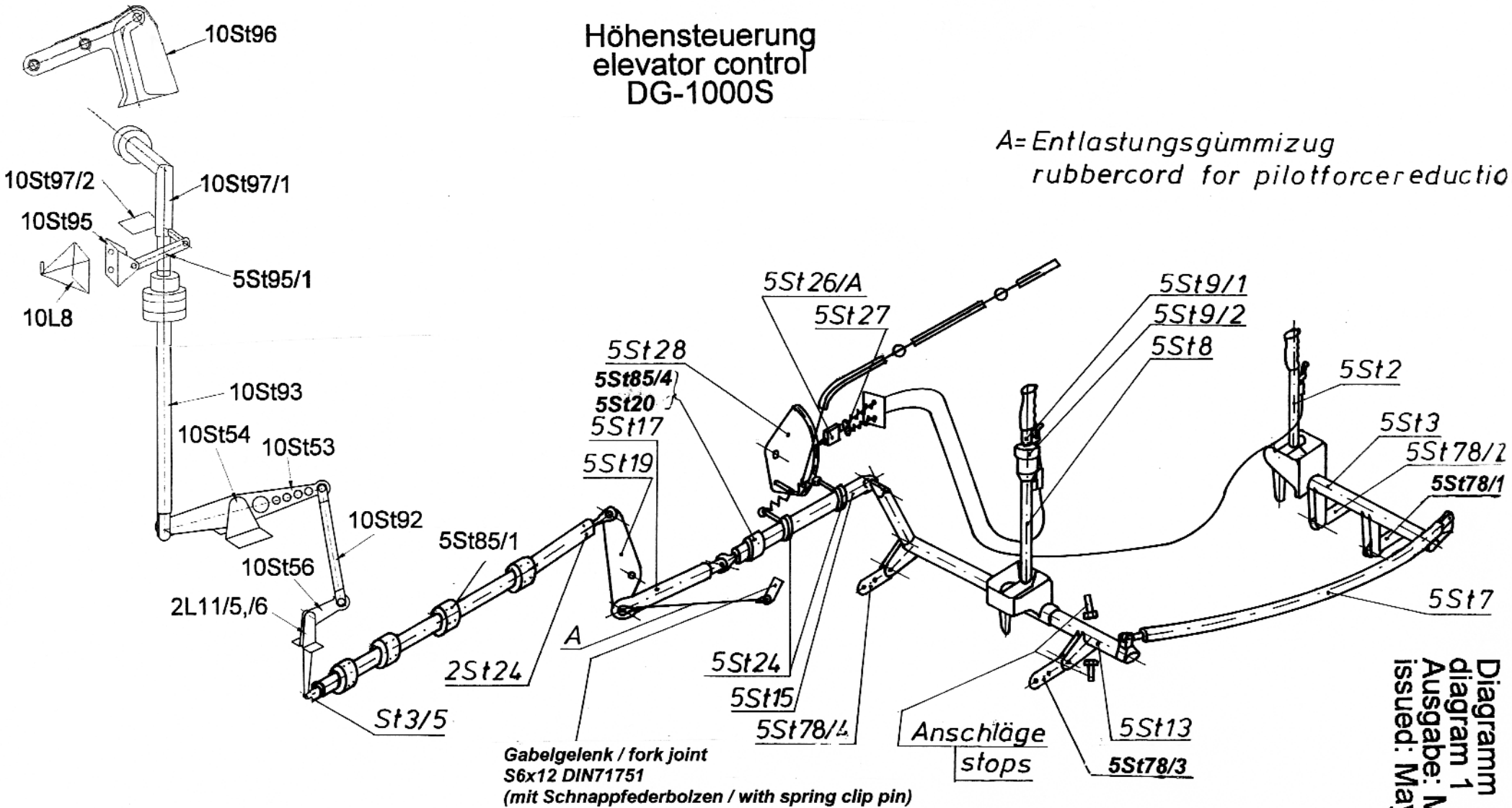
0.1 Manual amendments

No.	Page	Description	Date
1	0.5, 0.6, 4.14-4.16 diagrams 7, 11, 12	Manual revision TN 413/2	September 2003
2	0.6, diagrams 1 and 11	Manual revision TN 413/3	May 2994

0.2 List of effective pages (continued)

diagram	issued	replaced/	replaced/	replaced/
1	Nov. 2001	May 2004		
2	Nov. 2001			
3	Nov. 2001			
4	Nov. 2001			
5	Nov. 2001			
6	Nov. 2001			
7	Nov. 2001	Sept. 2003		
8	Nov. 2001			
9	Nov. 2001			
10	Nov. 2001			
11	Nov. 2001	Sept. 2003	May 2004	
12	Nov. 2001	Sept. 2003		
5EP34	25.01.90			
5EP50	17.12.98			
5V18	14.10.94			
10FW2	5.10.99			

Höhensteuerung
elevator control
DG-1000S

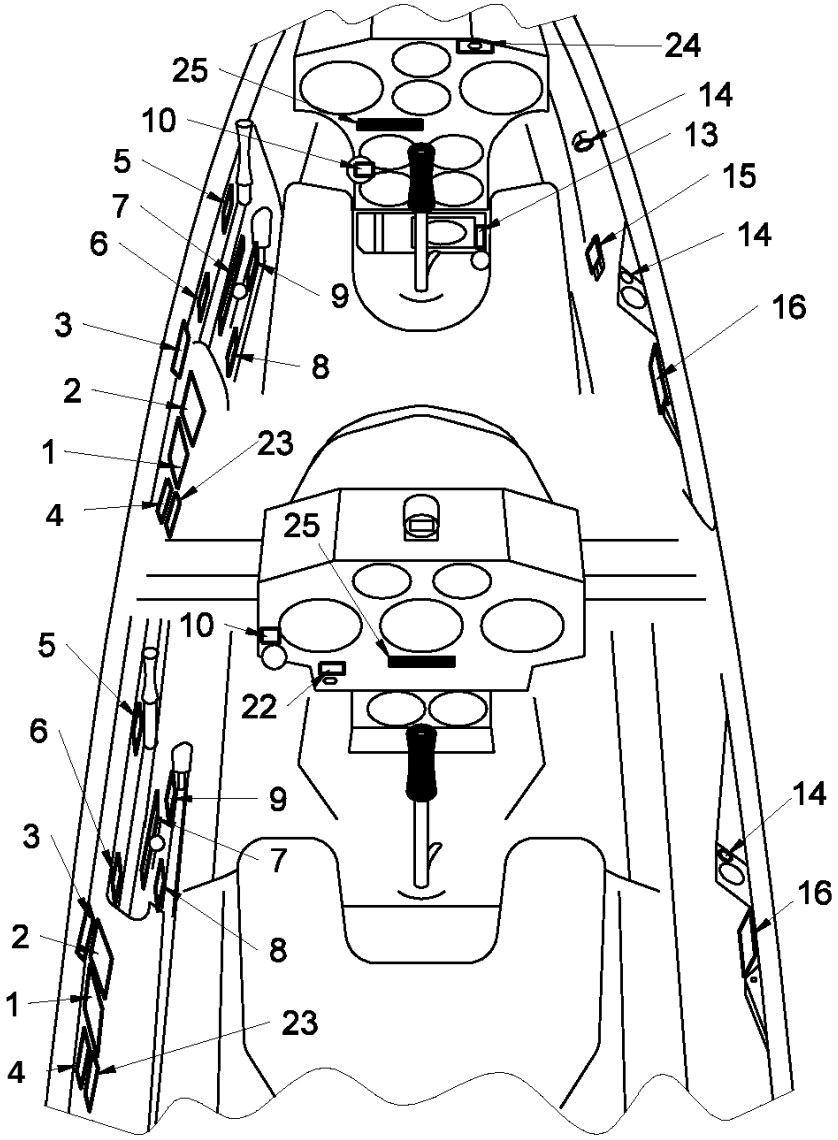


A= Entlastungsgümmizug
rubbercord for pilotforcereduction

Gabelgelenk / fork joint
S6x12 DIN71751
(mit Schnappfederbolzen / with spring clip pin)

Diagramm 1
diagram 1
Ausgabe: Mai 2004
issued: May 2004

placards DG-1000S



DG Flugzeugbau GmbH
Type: DG – 1000S Serial No.: 10- S
Year of construction:

Maximum airspeeds	km/h	kts.
Winch launching	150	81
Aero-tow	185	100
Manoeuvring V_A	185	100
Rough air	185	100
Maximum speed V_{NE}	270	146

Approved aerobatic manoeuvres, only without waterballast:
Pos. Loop, Chandelle, Spin, Stall turn

In addition Category A:
Only with 18 m span without waterballast:
Half loop and half roll, half roll and half loop, slow roll, inverted flight, half positive flick roll from normal flight with half loop, half negative flick roll from inverted flight
Maximum mass:

Category A and Category U with fixed main wheel	630 kg	1389 lbs.
Category U	750 kg	1653 lbs.
Category U without waterballast	kg	lbs.

1

Cockpit Check
1. Lead ballast (for under weight pilot)?
2. Parachute worn property?
3. Safety harness buckled?
4. Front seat: pedals adjusted?
   Rear seat: seating height adjusted?
5. All controls and knobs in reach?
6. Altimeter?
7. Dive brakes cycled and locked?
8. Positive control check ? (One person at the control surfaces).
9. Fin ballast tank emptied or correct amount filled in?
10. Trim ballast box in the fin, correct amount filled in? Locking device completely engaged?
11. Trim?
12. Both canopies locked?
13. Runway free?

2

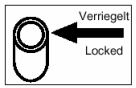
Senden transmit 22

Loading chart

Cockpit load	front seat		rear seat		Parachute
maximum	110 kg	242 lbs.	90 kg	198 lbs.	included)
or maximum	105 kg	231 lbs.	105 kg	231 lbs.	
minimum	kg	lbs.	/	/	

With lower pilot weight necessary ballast must be added.

4



at cover plate of fin ballast box

limits for use of the waterballast tank

minimum ground temperature	°C	13.5	17	24	31	38
	°F	56	63	75	88	100
maximum flight altitude	m	1500	2000	3000	4000	5000
	ft.	5000	6500	10000	13000	16500

23

Altitude in [m]	0-3000	4000	5000	6000	7000	8000
V_{NE} IAS km/h	270	256	243	230	217	205
Altitude in [ft]	0-10000	13000	16000	20000	23000	26000
V_{NE} IAS kts.	146	138	131	124	117	111

25

Ballast box in the fin
Min. load in the front seat
kg box empty — kg box filled

24

Bauteil Nr.:

part no. of components at all parts

Typ:	DG-1000S
W.Nr.	

fire proof placard at front main bulkhead

Gepäck max. 15 kg
baggage max. 33 lbs.

at front main bulkhead

Reifendruck 2,5 bar
Tyre pressure 36 psi

at the right wheel door

Sollbruchstelle 10000 N
rated load 2200 lbs.

Reifendruck 2,5 bar
Tyre pressure 36 psi

right above the nose wheel if applicable

Reifendruck 4 bar
Tyre pressure 58 psi

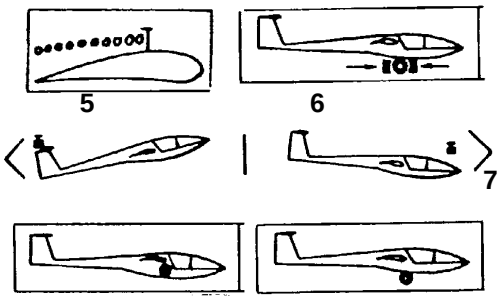
right above the tailwheel

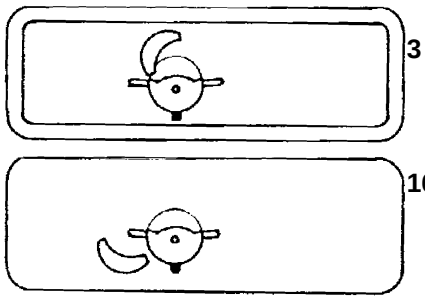
Bemsflüssigkeit
---- **brake fluid**
min. **DOT 3 / DOT 4**

on brake fluid reservoir

Warning:
Rigging of the horizontal tailplane is only permitted with nose down trim-setting!

at the upper left hand side of the fin





10 13 14 15

diagram 11
issued May. 2004