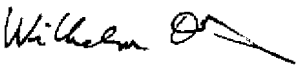
Recommendations to order spare parts

Please try to determine the exact designations of the spare parts for your order using the maintenance manual. This is to guarantee a fast and correct delivery of the parts.

The designations are to find in the sections system description, instructions for assembly and servicing work and especially in the diagrams of the maintenance manual.

Yours sincerely

DG Aviation GmbH



Dipl. Ing. W. Dirks

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0 General

0.1 Amendments

No.	Page	Description	Date
0.1	all	Combination of the initial Maintenance Manuals of the Variants DG-600 and DG-600/18, new standardized format	December 2009
0.2	0.7, 1.2, 1.4, 1.10-1.12, 2.1, 2.3, 2.5, 3.1 - 3.3, 4.2, 4.7, 5.1, 6.1 - 6.4, diagram 1a	Miscellaneous changes to the contents of the latest amendments of the initial maintenance manuals	December 2009
1	0.1, 0.3, 0.4, 0.6, 1.1, 1.3 - 1.6, 4.6, 8.1 diagrams 3a, 7c, 6F39	TN DG-SS-07 Manual revision	August 2021
2	0.1, 0.3, 1.2 - 1.4	TN DG-SS-09 Adjustment of elevator free play	December 2023
3	Cover page, 0.1	TN DG-G-17 Update of cover page	August 2025
4	0.0, 0.1, 0.3, 0.4, 0.6, 1.2, drawing 1 St 038	TN DG-SS-10 Control column, control stick suspension, securing the spherical bearings	September 2025

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0.2 List of effective pages

Section	page	issued	replaced	replaced	replaced
0	0.0	December 09	September 25		
	0.1	"	See manual amendments		
	0.2	"	"		
	0.3	"	"		
	0.4	"	"		
	0.5	"			
	0.6	"	August 2021	September 25	
	0.7	"			
	0.8	"			
1	1.1	December 09	August 2021		
	1.2	"	December 23	September 25	
	1.3	"	August 2021	December 23	
	1.4	"	August 2021	December 23	
	1.5	"	August 2021		
	1.6	"	August 2021		
	1.7	"			
	1.8	"			
	1.9	"			
	1.10	"			
	1.11	"			
	1.12	"			
	1.13	"			
2	2.1	December 09			
	2.2	"			
	2.3	"			
	2.4	"			
	2.5	"			
	2.6	"			
3	3.1	December 09			
	3.2	"			
	3.3	"			

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List of effective pages (continued)

Section	page	issued	replaced	replaced	replaced
4	4.1	December 09			
	4.2	"			
	4.3	"			
	4.4	"			
	4.5	"			
	4.6	"	August 2021		
	4.7	"			
5	5.1	December 09			
	5.2	"			
6	6.1	December 09			
	6.2	"			
	6.3	"			
	6.4	"			
7	7.1	December 09			
8	8.1	August 2021			

Diagrams

No.	issued	replaced/	replaced	replaced
1a	December 09			
2a	April 88			
3a	April 88	August 21		
4a	April 88			
5a	April 88			
6a	July 87			
7a	July 87			
7c	August 2021			

Enclosures

No.	issued	replaced/	replaced	replaced
(94)	December 09			
6F39	11.10.90			
1 St 038	September 25			

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Section	Content	page
4	**Detailed instructions for assembly and servicing work**	**4.1**
4.1	Replacement of the water ballast bags	4.1
4.2	Replacement of control circuit cables	4.2
4.3	Adjustment and servicing of the control circuit	4.2
4.4	Removal and installation of the landing gear	4.3
4.5	Fixing excessive free play of the canopy	4.4
4.6	Removal and reinstallation of the ailerons	4.5
4.7	Working instructions for heat-shrink tubing	4.7
4.8	Securing with Loctite	4.7
5	**Weight and balance**	**5.1**
6	**Instrumentation and accessories list**	**6.1**
6.1	Air speed indicator (0 - 300 km/h, 165 kts)	6.1
6.2	Altimeter	6.2
6.3	Harness (seat)	6.2
6.4	Compass	6.2
6.5	VHF transceiver	6.3
6.6	Variometer	6.3
6.7	Turn and bank indicator	6.3
6.8	Outside air temperature gauge (only with fin waterballast tank)	6.3
6.9	Instruments which are not part of the minimum equipment:	6.4
7	**List of special tools**	**7.1**
8	**Partlist…**	**8**.1

Diagrams

Nr.	
1a	Elevator control circuit, trim
2a	Rudder control circuit, landing gear
3a	Aileron, wing flap and spoiler control circuits, fuselage side
4a	Flaperon and spoiler control circuits wing side
5a	Tow hooks, waterballast system
6a	Pitot static system
7a	Placards DG-600
7c	Placards DG-600/18

Enclosures

(94)	Equipment list
6F39	Positions for zig-zag tape
1 St 038	Additional control column safeguard acc. to TN DG-SS-10

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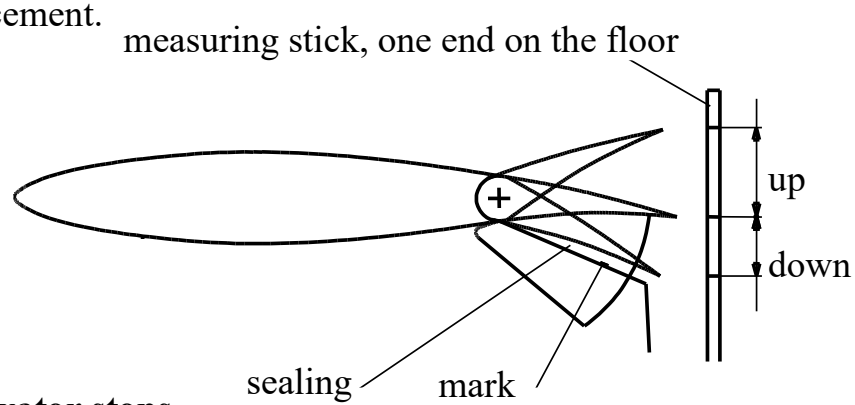
1.2 Elevator control and trim system

1.2.1 Control system see diagram 1a and drawing 1 St 038

1.2.2 Elevator deflections and tolerances

ser. no.'s	all except for 6-24		6-24 (with HT DG-800)	
	mm	in	mm	in
Up	61.5 ±1	2.42 ± 0.04	46±2	1.81 ± 0.08
Down	55 ±1	2.17 ± 0.04	46±2	1.81 ± 0.08
measured behind hinge axis at	160	6.3	134	5.3

Measurement:
Hold a measuring stick with one end on the floor. Deflect the elevator to neutral position by bringing the mark at the sealing in line with the upper end of the fin. Mark the 0-point on the stick. Then mark the up and down displacement.



1.2.3 Elevator stops

The elevator stops are located at the base of the control column and can be adjusted with a 10 mm open ended spanner.

1.2.4 Elevator control circuit free play

With the elevator held fixed in the zero position, the free play at the top of the control column can be ± 1.5 mm (± 0.06 in.).

Free play within the automatic elevator connection

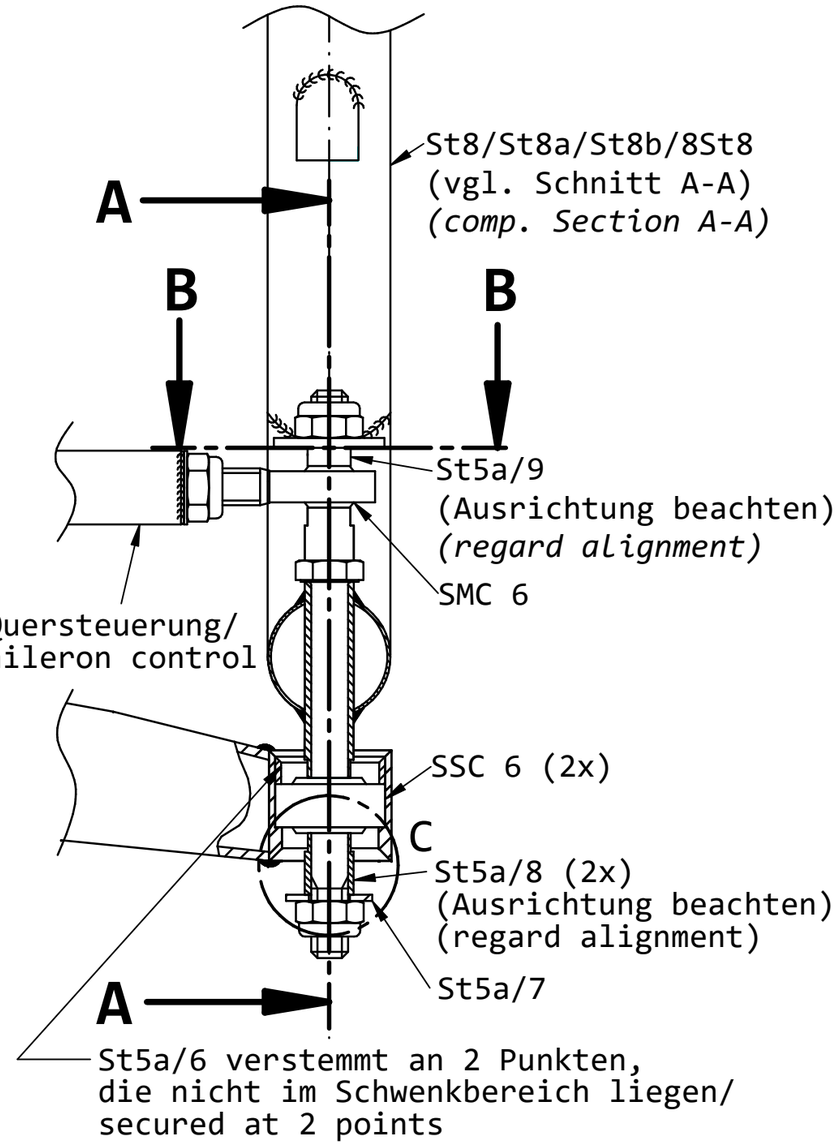
Within the automatic elevator connection there should be no free play noticeable in the zero position when the elevator is moved at its trailing edge.

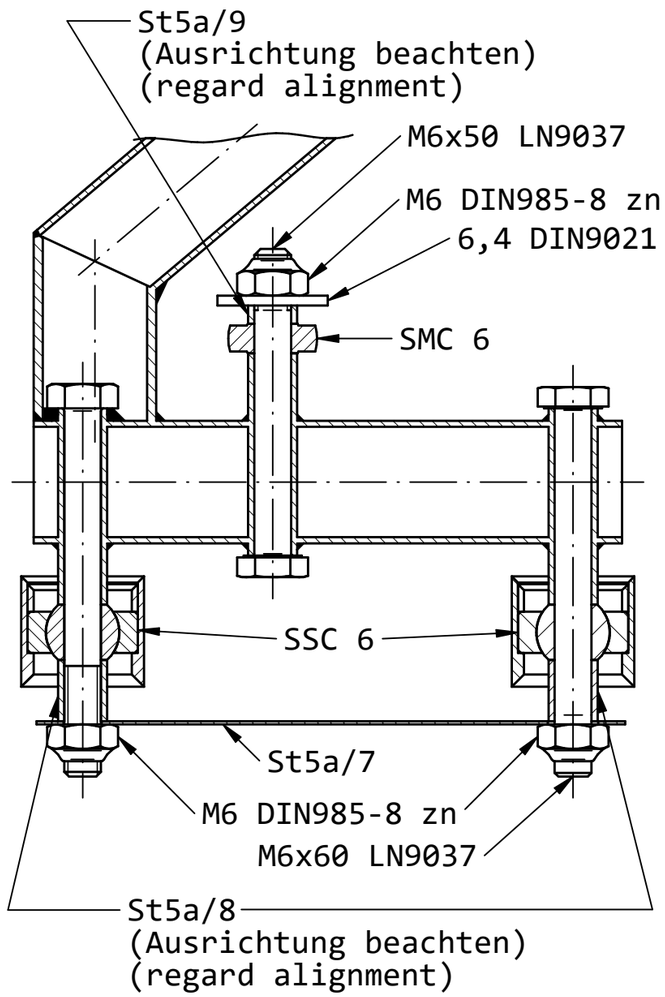
Any free play can be reduced by screwing in the adjustment screw on the automatic connector funnel.

Warning: In case the adjustment screw was turned in too far, the roller will jam inside the funnel and can´t be moved or only with larger force to the front of the funnel. Moving the horizontal tailplane backwards for rigging might not be possible or only with large effort. Each time a bending force will act on the rod end which might lead to failure of the rod end with time.
For this reason after adjusting the free play it is necessary to check if the roller can be moved without force in the funnel.

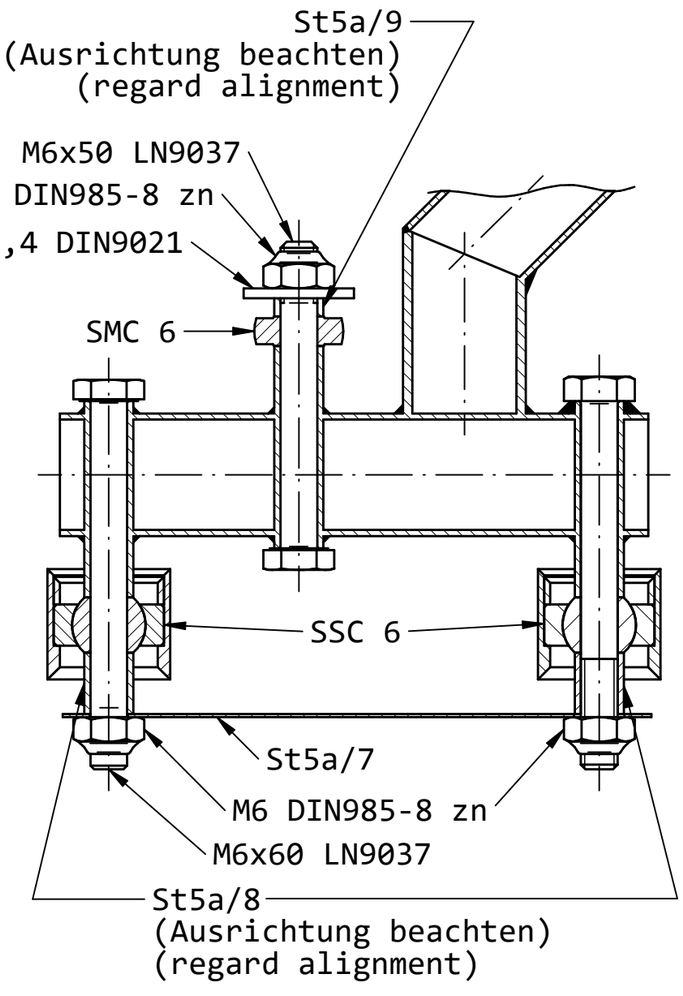
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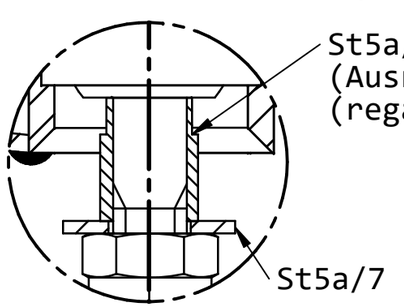




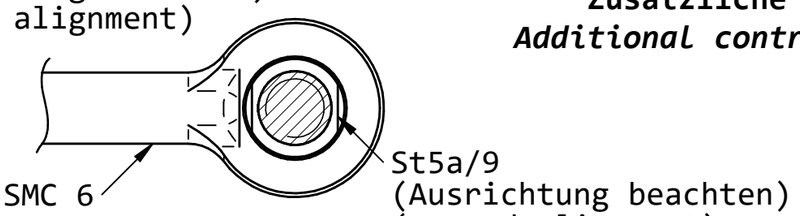
A-A
(bei/with St8/St8a/8St8)



A-A
(bei/with St8b)



C (2:1)



B-B (2:1)

Zusätzliche Sicherungen des Handsteuers gemäß TM DG-SS-10 bzw. TM 800/52
Additional control column safeguard according to TN DG-SS-10 resp. TN 800/52

Ausg.	Beschreibung	ab W-Nr.	Name/Datum
-	Erstausgabe		E. Scharf 01.09.2025

Gepr. (MPI) J. B. Wassenaar 01.09.2025 | Freig. (MPL) W. Dirks 01.09.2025

Zeichnungsnummer: 1 St 038

Titel: **Handsteuersicherung/ Control Column Safeguard**

Toleranzen nach Arbeitsanweisung BA 1
Schweißen nach Arbeitsanweisung SA 1

76646 Bruchsal | Otto-Lilienthal-Weg 2

Maßstab 1	Maßstab 2	Einheiten	Projektion	Format	Seite	Status
1:1	(2:1)	mm [inch]		DIN A3	1 / 1	Musterunterlage

Projekt: DG single seaters, DG-800 | Ausg. .0

INCH / MILLIMETER