

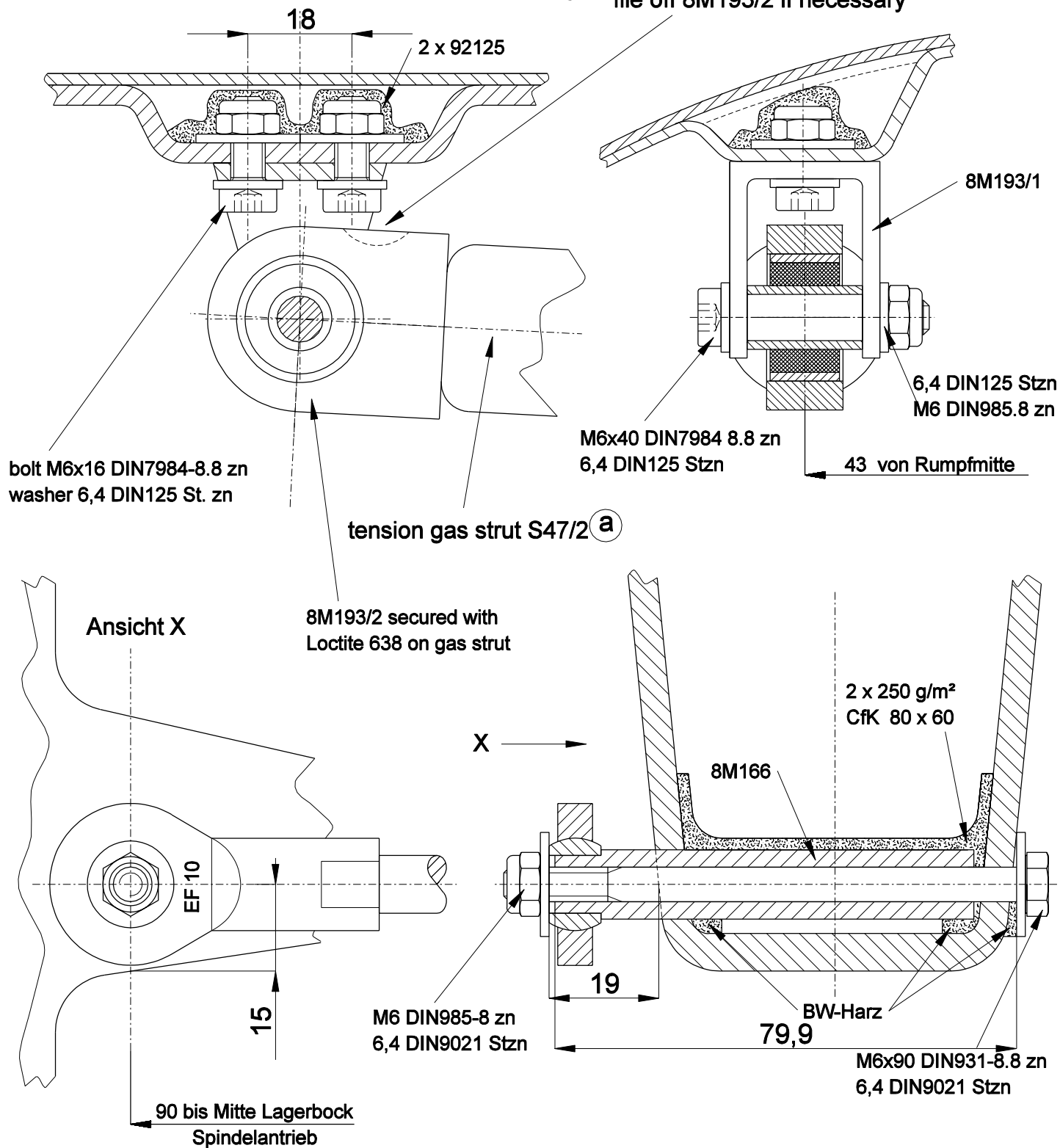
- Subject : Tension gas strut
- Effectivity : DG-800B
- Accomplishment : In case of damage of the gas strut
- Reason : It happened that the front fitting of the tension gas strut failed (fixing point to fuselage). Due to engine vibrations the hole in the fitting elongated. For DG-800B's where this failure occurs a modification was developed. The front fitting of the gas strut is equipped with a rubber mount (Ultra-bush).
- Instructions :  
1. Remove the damaged gas strut according to MM section 4.13.  
2. Remove the front mounting bracket from the fuselage.  
3. Install the new mounting bracket 8M193/1 according to drawing 8M194.  
4. Install the new gas strut S47/2 according to drawing 8M194 and MM section 4.13.
- Material : drawing 8M194  
1 piece tension gas strut Version with Ultra-bush S47/2  
1 piece mounting bracket 8M193/1  
2 pieces bolt M6x16 DIN7984-8.8 zn  
1 piece bolt M8x50 DIN7984 8.8 zn  
1 piece washer 8,4 DIN125 St zn  
1 piece selflocking nut M8 DIN985-8 zn  
3 pieces washer 6,4 DIN125 St zn  
1 piece selflocking nut M6 DIN985-8 zn
- Weight and balance : influence negligible
- Remarks : Instructions may be executed by the owner.

Bruchsal, date:  
February 3. 2006

Author:  
Dipl. Ing. Wilhelm Dirks

This service info has been approved by EASA date 23. April 2008 with technical note DG-G-04.  
Approval No. EASA.A.C.09568.

**a** check for enough space in all positions, file off 8M193/2 if necessary



Toleranzen nach Arbeitsanweisung BA 1

Schweißen nach Arbeitsanweisung SA 1

Tag	Name
Gez. 14.10.04	W.Dirks
Gepr.	
Norm.	

**DG**  
**Flugzeugbau GmbH**  
 76646 Bruchsal  
 Otto-Lilienthal-Weg 2

Maßstab  
**1:1**

installation gas strut  
 version with  
 Ultra-bush  
 retrofit DG-800B



**8M194**

a	S47/2	2.02.06	W.Dirks
Ausg.	Änderung	ÄM	Tag Name

Maße ohne Toleranz-ang. nach: