



## SERVICE BULLETIN NO. MSB315-65

### I. TECHNICAL DETAILS

#### 1.1 Category:

**Mandatory**

#### 1.2 Airplanes Affected:

GROB G 103 TWIN II	S/N 3501 – 3729
	S/N 3730 – 3878
	S/N 33879 – 34078
GROB G 103A TWIN II ACRO	S/N 3544 – 34078 (with Suffix „K“)
GROB G 103C TWIN III ACRO	S/N 34101 – 34203

#### 1.3 Time of Compliance:

**Prior to next flight**

#### 1.4 Subject:

ATA-Code: ---

**Limitations of Operation**

#### 1.5 Reason:

The approved speeds were reduced and aerobatic manouvers prohibited with “Alert Service Bulletin No. 315-63/2”. This Service Bulletin provides the revised manual pages (for Flight and Maintenance Manual). The  $v_{NE}$ , reduced with ASB 315-63, is increased from 230 km/h (124 kts, / 143 mph) to 250 km/h (135 kts, 155 mph).

Also “simple aerobatics” (looping, turn, lazy eight, chandelle, spinning) for G 103 TWIN II and G 103A TWIN II ACRO is re-approved. For G 103C TWIN III ACRO “Aerobatic Flights” and “Cloud Flying” is further more prohibited, because with the reduced  $v_{NE}$  the 45° dive with airbrakes fully extended cannot be fulfilled in accordance with the certification regulations.

This MSB 315-65 is the terminating action for all G 103 TWIN II.

For all G 103A TWIN II ACRO and G 103C TWIN III ACRO this MSB is also a terminating action, unless OSB 315-66 (installation of stiffeners), which is currently in preparation, is accomplished.

<b>CAUTION:</b> This MSB is mandatory in any case, regardless if the reinforcement according to OSB 315-66 is installed afterwards.
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GROB G 103 TWIN II  
GROB G 103A TWIN II ACRO  
GROB G 103C TWIN III ACRO



**1.6 Concurrent Documents:**

None

**1.7 Approval Note:**

The technical information contained in this document has been approved by the authority (Luftfahrt-Bundesamt).

**1.8 Accomplishment / Instructions**

**1.8.1 For G 103 TWIN II and G 103A TWIN II ACRO:**

The following placard (installed near to the front and rear airspeed indicator) may be removed.



**1.8.2 For G 103 TWIN II and G 103A TWIN II ACRO:**

The yellow mark at the front and rear airspeed indicator at 167 km/h (90,2 kts, / 103,8 mph) may be removed,  $v_B = 170$  km/h (92 kts, 105 mph) is valid again.

**For G 103C TWIN III ACRO:**

The yellow mark at the front and rear airspeed indicator at 167 km/h (90,2 kts, / 103,8 mph) must be removed and a new yellow mark has to be applied newly at  $v_{RA} = 170$  km/h (92 kts, 105 mph) .

**1.8.3 Apply the following limitation placard over the existing placard on the front and rear RH cockpit side wall:**

**For G 103 TWIN II and G 103A TWIN II ACRO:**

<b>Maximum flying weight</b>		<b>580 kg / 1280 lbs</b>		
<b>Maximum airspeeds:</b>		<b>km/h</b>	<b>kts</b>	<b>mph</b>
in calm air:	$V_{NE}$	250	135	155
in rough air:	$V_B$	170	92	105,5
aerotow:	$V_T$	170	92	105,5
winch or auto tow:	$V_W$	120	65	74,5
airbrakes extended:	$V_{FE}$	250	135	155
manoeuvring speed:	$V_A$	170	92	105,5

GROB G 103 TWIN II  
 GROB G 103A TWIN II ACRO  
 GROB G 103C TWIN III ACRO



**For G 103C TWIN III ACRO:**

<b>Maximum flying weight</b>		<b>600 kg / 1323 lbs</b>		
<b>Maximum airspeeds:</b>		<b>km/h</b>	<b>kts</b>	<b>mph</b>
in calm air:	$V_{NE}$	250	135	155
in rough air:	$V_{RA}$	170	92	105,5
aerotow:	$V_T$	170	92	105,5
winch or auto tow:	$V_W$	140	76	87
airbrakes extended:	$V_{FE}$	250	135	155
manoeuvring speed:	$V_A$	170	92	105,5

1.8.4 In the Flight and Maintenance Manuals the following revisions must be incorporated:

**G 103A TWIN II ACRO:**

- Flight Manual: Revision 5, 15.09.03

**G 103A TWIN II ACRO Canadian issue**

- Flight Manual: Revision 6, 15.09.03

**G 103A TWIN II ACRO FAA issue**

- Flight Manual: Revision 3 15.09.03

**G 103A TWIN II ACRO Italian issue**

- Flight Manual: Revision 3, 15.09.03

<b>CAUTION:</b> The „Flight Handbook for Acrobatics“ is invalid and must be removed from the Flight Manual G 103A TWIN II ACRO (see also Revision 5, page. 5a).
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**G 103C TWIN III ACRO:**

- Flight Manual: Revision 5, 15.09.03

- Maintenance Manual: Revision 5, 15.09.03

**1.9 Repetitive Actions:**

None

**1.10 Mass (Weight) and CG:**

Not affected

GROB G 103 TWIN II  
GROB G 103A TWIN II ACRO  
GROB G 103C TWIN III ACRO



## **II. PLANNING INFORMATION**

### **2.1 Material & Availability:**

The placards (qty. 2 each) and the revision pages for the flight and maintenance manual are attached to this Service Bulletin.

### **2.2 Special Tools:**

not required

### **2.3 Labour Costs:**

20 Minutes

### **2.4 Reference Documents:**

Not affected

### **2.6 Credit:**

Not affected

## **III. Remarks**

- 3.1 The correct execution of the instructions may be performed by a competent person and has to be certified in the logbook by an authorised inspector.
- 3.2 If you have sold your aircraft in the meantime, would you kindly pass this information on to the new owner and forward his address and aircraft S/N to us.
- 3.3 For questions and assistance please contact:  
Rudi Vodermeier, Head of Product Support,  
phone: +49 8268 998139  
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e-mail: [productsupport@grob-aerospace.de](mailto:productsupport@grob-aerospace.de)

GROB G 103 TWIN II  
GROB G 103A TWIN II ACRO  
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