



## ALERT SERVICE BULLETIN NO. ASB315-63/2

### I. TECHNICAL DETAILS

#### 1.1 Category:

ALERT

#### 1.2 Airplanes affected:

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

#### 1.3 Time of Compliance:

Prior to next flight

#### 1.4 Subject:

ATA-Code: ---

Limitation of Operation

#### 1.5 Reason:

New investigations of the fuselage structure have indicated, that the safety margins against damage of the fuselage structure under limit loads might be insufficient. Therefore, the speeds for rough air  $v_B$  and the maximum flying speed  $v_{NE}$  and further speeds as a consequence are reduced, as given in para 1.8, until the investigations are finished or corrective actions, if required, were accomplished.

Aerobatic flights are provisionally prohibited as a consequence of the reduced speeds. GROB will complete the investigation at short notice and, if necessary, corrective actions will be issued as soon as possible.

#### 1.6 Concurrent documents:

None

G 103A  
G 103B  
G 103C



### 1.7 Approval Note:

The technical information contained in this document has been approved under the authority of JAA Design Organization Approval No. LBA.NJA.008.

### 1.8 Accomplishment/ Instructions

- 1.8.1 Apply on the front and rear airspeed indicator
- a red mark at **230 km/h (124,2 kts, / 142,9 mph)**
  - a yellow mark at **167 km/h (90,2 kts, / 103,8 mph)**

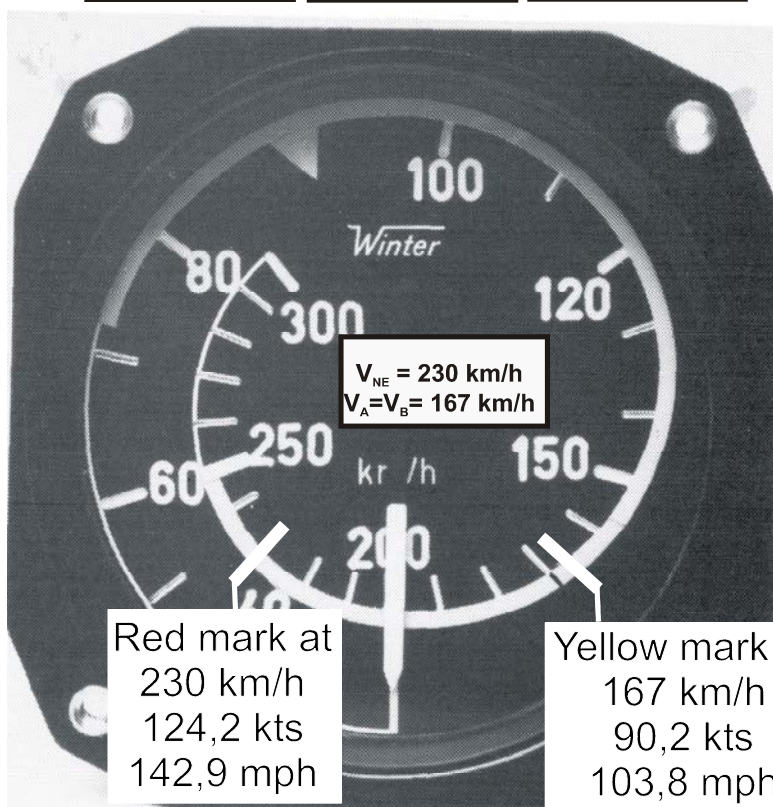
NOTE: The marks are attached to the SB.

- 1.8.2 Apply the following red placard (according to airspeed indicator calibration) to the front and rear airspeed indicator:

$V_{NE} = 230 \text{ km/h}$   
 $V_A = V_B = 167 \text{ km/h}$

$V_{NE} = 124,2 \text{ kts}$   
 $V_A = V_B = 90,2 \text{ kts}$

$V_{NE} = 142,9 \text{ mph}$   
 $V_A = V_B = 103,8 \text{ mph}$



Red mark at  
230 km/h  
124,2 kts  
142,9 mph

Yellow mark at  
167 km/h  
90,2 kts  
103,8 mph

All  
aerobatic manoeuvres  
are prohibited !!

G 103A  
G 103B  
G 103C



1.8.3 Apply the following red placard close to the front and rear airspeed indicator (refer to figure on page 2):

**NOTE: ONLY APPLICABLE FOR AEROBATIC APPROVED GLIDER !**

All  
 aerobatic manoeuvres  
 are prohibited !!

1.8.4 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 <sub>NE</sub>	230	124,2	142,9
in rough air:	V <sub>B</sub>	167	90,2	103,8
aerotow:	V <sub>T</sub>	167	90,2	103,8
winch or auto tow:	V <sub>W</sub>	120	64,8	74,5
airbrakes extended:	V <sub>FE</sub>	230	124,2	142,9
manoeuvring speed:	V <sub>A</sub>	167	90,2	103,8

**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 <sub>NE</sub>	230	124,2	142,9
in rough air:	V <sub>B</sub>	167	90,2	103,8
aerotow:	V <sub>T</sub>	167	90,2	103,8
winch or auto tow:	V <sub>W</sub>	140	76	87
airbrakes extended:	V <sub>FE</sub>	230	124,2	142,9
manoeuvring speed:	V <sub>A</sub>	167	90,2	103,8

**1.9 Repetitive Actions**

None

G 103A  
 G 103B  
 G 103C



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

N/A

**II. PLANNING INFORMATION**

**2.1 Material & Availability:**

The red and yellow mark and the placards (qty. 2 each) are attached to the SB.

**2.2 Special Tools:**

N/A

**2.3 Labour costs:**

approx. 10 min.

**2.4 Reference documents:**

N/A

**2.6 Credit:**

N/A

**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  
fax: +49 8268 998200  
e-mail: [productsupport@grob-aerospace.de](mailto:productsupport@grob-aerospace.de)

G 103A  
G 103B  
G 103C