

**HPH spol.s r.o.**

Čáslavská 126  
P.O.Box 112  
CZ284 01 Kutná Hora  
Czech Republic  
Tel/Fax 00420-327 513441  
e-mail : hph@hph.cz

## Mandatory bulletin

No.: G304CZ - 04 a)  
Change 1

**Type :** Sailplane model Glasflügel 304 CZ, Type Certificate č. 98-03  
Serial No. affected : from 1 to 17, from 18-17 to 34-17, 36-17 , 37-17,  
from 40-17 to 44-17 , 50-17 , 53-17 , 54-17, 58-17 ,  
from 59-17 as serial production .

**Subject :** Change of the weights and moments of the controls rudders .

**Urgency:** After repairs or new paint work of the control surfaces,  
from 59-17 as serial production .

**Reason:** Change of the weights and moments of the controls rudders based on  
the tests.

**Action :** The following control surface weights  $m$  and moments  $M = P \times r$  should  
not be exceeded :

Rudder :	Weight /Moment Without mass balances	Weight /Moment With mass balances
Elevator:	$m = 1,5...1,8$ kg $M = 41...58$ Ncm	
Siderudder:		$m = 2,9...3,9$ kg $M = 0...30$ Ncm
Aileron:		$m = 3,0...3,8$ kg $M = 25...58$ Ncm
Flap:	$m = 3,3...4,2$ kg $M = 130...170$ Ncm	

Change the Flight and Service Manual page 50 - issue  
December 03, 2002 .

According to the last "Weights and moments control" report check the  
the values of the weights and moments.

The aileron should be balanced by the static mass weight of  
max. 0,88 kg distributed along the complete leading edge of the aileron  
according to the technological process No.: 304-54-16.

**Material :** Flight and Service Manual page 50 - issue December 03, 2002 .  
Material according to the technological process No.: 304-54-16

**Weight :** Change of the sailplane weight record to the Flight and Service Manual .

**C.G. Position :** Change of the sailplane CG position record to the Flight and Service  
Manual .

**Remarks :** The technician will record the accomplishing of this Mandatory Bulletin  
into the operational documents of the sailplane .  
The expenses are covered by owner.

Technical approved by Czech Aviation Authority.

Kutná Hora  
03.12.2002

Ing. Jiří Hodan

