



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthiness Division

Airport Ruzyne, 160 08 Prague 6  
Tel: 420 233320922, fax: 420 220562270

## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-T-080/2003**

Date of issue: October 07, 2003

**Schempp-Hirth Flugzeugbau GmbH.**

Ventus-2a, Ventus-2b, Discus-2a, Discus-2b

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### SAILPLANE – ELEVATOR – BALANCE WEIGHT - INSPECTION

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**Applicability:**

Kind of aeronautical product: Sailplane

Manufacturer: Schempp-Hirth Flugzeugbau GmbH, Kirchheim/Teck, GERMANY

Type: Discus a, Ventus a

Models affected: Ventus-2a, Ventus-2b, Discus-2a, Discus-2b

Serial numbers affected:

Ventus-2a, Ventus-2b (TC-No.: 349)

All S/Nos. complying with Modification Bulletin No. 349-42 or modified according Technical Note No. 349-27 and equipped with a new tail unit

S/Nos.: 1, 2, 31, 32, 48, 54, 71, 117, 124 through 151 and 153

Discus-2a, Discus-2b (TC-No.: 360)

S/Nos.: 1 through 185, 187 through 189

**Effective date:** Upon receipt

**Compliance:** Required as indicated in LBA AD 2003-280.

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*Remarks: The compliance of this AD must be recorded in Sailplane Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyne Airport, 160 08 Prague 6, Czech Republic, tel: 420 233320922, fax: 420 220562270.*

**Ing. Pavel MATOUŠEK**  
director

# Airworthiness Directive 2003-280

## Luftfahrt-Bundesamt

Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
GERMANY

Effective Date: 02 October 2003

## Schempp-Hirth

### Affected:

Kind of aeronautical product: Sailplane

Manufacturer: Schempp-Hirth Flugzeugbau GmbH, Kirchheim/Teck, GERMANY

Type: Discus a, Ventus a

Models affected: Ventus-2a, Ventus-2b  
Discus-2a, Discus-2b

Serial numbers affected:

Ventus-2a, Ventus-2b (TC-No.: 349)

All S/Nos. complying with Modification Bulletin No. 349-42 or modified according Technical Note No. 349-27 and equipped with a new tail unit

S/Nos.: 1, 2, 31, 32, 48, 54, 71, 117, 124 through 151 and 153

Discus-2a, Discus-2b (TC-No.: 360)

S/Nos.: 1 through 185, 187 through 189

German Type Certificate No.: 349 and 360

### Subject:

Elevator jamming due to separated balance weight.

### Reason:

During a pre-flight check of a Discus-2T a roughness of the elevator control was noticed. After the removal of one elevator two loose pieces of lead were found. The outmost mass balance weight was separated and broken in two pieces.

The actions specified by this Airworthiness Directive are intended to prevent elevator jamming which can result in reduced controllability of the sailplane.

### Action:

Within the scope of this Airworthiness Directive, the following actions are required:

1. The fixing of the outmost mass balance weight on both elevators has to be checked.
  2. The elevators have to be removed and the fixation of the mass balance weights has to be modified according to the instructions described in the mentioned manufacturer Technical Note.
  3. After the re-installation of the elevators, check for free travel and proper deflections within the permitted range.
- All necessary actions must be performed on the basis of the mentioned manufacturer Technical Note.

### Compliance:

For the actions mentioned above the following compliance times have been laid down:

Action 1:

Before the next flight. If a loose weight is noticed, action 2 and the following must be carried out prior the next flight.

Action 2 and 3:

At the next annual inspection, but not later than December 31, 2003.

### Technical publication of the manufacturer:

SCHEMP-P-HIRTH Technical Note No. 349-28, 360-20 and 863-8 dated September 16, 2003. This Technical Note becomes herewith part of this AD and can be obtained by the manufacturer under the mentioned address.

SCHEMPP-HIRTH Flugzeugbau GmbH

Straße:

73230 Kirchheim/Teck

GERMANY

Phone +49-7021-7298-0

Facsimile +49-7021-7298-199

Enquiries regarding this Airworthiness Directive should be referred to Mr. Martin Borsum, Airworthiness Directive Section, at the above address, fax-no.0049 531/2355-720. Please note, that in case of any difficulty, reference should be made to the German issue!

*LTA's / AD's and Technical Notes are published on the internet at <http://www.lba.de>*