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LUFTHAVSVERKET  
LUFTHAVSVEIEN 11, 1330 OSLO LUFTHAVN  
LUFTDYKTIGHETSPÅBUD  
(LDP)

Seilfly  
Rolladen Schneider-lb  
Erstatter Rolladen-  
Schneider-la

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43 jfr. kgl. res. av 8. desember 1961, litra K og Samferdselsdepartementets samtydiggelse av 23. mars 1964 fastsettes Luftfartsverket følgende forskrift om luftdyktighet.

58/78 KONTROLL AV RUST PÅ CG-SLEPEKROKENS UTLØSERKABEL

Påbudet gjelder:

Rolladen Schneider seilflymodeller LS1-f, LS3 og LS3-a med tysk typesertifikat nr. 262.

Påbudet omfatter:

På grunn av gjennomrusting av utløserkabelen for CG-slepekroken hvor den går gjennom plastrøret under flygersetet, skal Rolladen Schneider Technical Note No. 35 og 3007 datert 12. mai 1978 eller senere revisjoner utføres.

Tid for utførelse:

Før første flyging etter mottakelsen av denne LDP.

Referanser:

Tysk AD 78-163.

20/79 KONTROLL AV SKIVER I RORKONTROLLSYSTEMENE

Påbudet gjelder:

Rolladen-Schneider seilflymodeller LS 1, -0, -a, -b, -c, -d og -f, alle serienr.

Påbudet omfatter:

P.g.a. at skiver som holder rorene i aksialstilling kan mangle, skal Rolladen-Schneider Technical Bulletin No. 37 datert 1. januar 1979 eller senere revisjoner utføres.

Tid for utførelse:

Før første flyging.

Referanser:

Tysk AD 79-44

15. august 1979

Seilfly  
Rolladen-Schneider -1b

49/79 HASTIGHETSBEGRÆNSNING

Påbudet gjelder:

Rolladen-Schneider seilfly modeller LSl-e, LSl-f og LSl-ef.

Påbudet omfatter:

For å unngå vibrasjoner i høyderoret skal følgende utføres:

1. Seilflyets maksimale hastighet begrenses til 200 km/time (108 kts) som vist i pkt 1a til og med 1c i Rolladen-Schneider Technical Bulletin No 38/3013 datert 18. juni 1979 eller senere revisjoner.
2. Utfør pkt 2 og 3 i gjeldene bulletin. Når dette er utført bortfaller hastighetsbegrensningen i pkt 1.

Tid for utførelse:

Pkt 1: Innen første flyging etter 15. august 1979

Pkt 2: Innen 31. desember 1979.

Referanser:

Tysk AD 79-109 Rolladen-Schneider.

R. Ulltang

R. Jacobs

15. august 1979

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## LUFTDYKTIGHETSPÅBUD (LDP)

Seilfly  
Rolladen  
Schneider - 2

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43 jfr. kgl. res. av 8. desember 1961, litra K og Samferdselsdepartementets bemyndigelse av 23. mars 1964 fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

41/81 MODIFIKASJON AV LUFTBREMSE

Påbudet gjelder:

Rolladen Schneider LS4 med følgende serienr.:

4000-4004, 4006-4013, 4015-4018, 4020-4028, 4031, 4033-4035, 4037-4040, 4042, 4045, 4047, 4048, 4050, 4053, 4061-4063, 4068, 4075-4077, 4081-4083, 4085, 4086, 4088, 4099 og 4106.

Påbudet omfatter:

For å sikre at luftbrensene kan trekkes problemfritt inn ved hastigheter på 200 km/t eller mer, skal Rolladen Schneider Technischer Mitteilung Nr. 4005 datert 4. mai 1981 eller senere revisjoner utføres.

Tid for utførelse:

Innen 30.9.81.

Referanser:

LTA 81-113

57/82 FORLENGELSE AV GANGTIDER

Påbudet gjelder:

Rolladen Schneidermodeller LS 1-0, 1-a, 1-b, 1-c og 1-d.

Påbudet omfatter:

Forlengelse av gangtiden (Service life) til 6000 timer.

1. Sett in sidene 29 og 30, "Inspection procedure for increase of Service life" i "Flight and Maintenance Manual" og rett innholdsfortegnelsen.
2. Utfør kontroll som vist på side 29 og 30 i "Flight and Maintenance Manual".
3. Se Rolladen Schneider Technical Information No. 40 datert 21. april 1981 eller senere revisjoner for utførelse av pkt. 1 og 2.

Tid for utførelse:

Innen en gangtid på 3000 timer er oppnådd.

Referanser:

Tysk AD 82-184.

13.12.82

√63 /82 SPREKKONTROLL AV FESTEBSLAG FOR TRIMVEKT

Påbudet gjelder:

Rolladen Schneider modell LS3, LS3a og LS3-17, alle serienr. og LS4 med serienr. 4000-4078.

Påbudet omfatter:

Pga at sprekk er oppdaget rundt hullet i festebslaget for trimvekten skal Technical Bulletin No 3033/4010 datert 7.10.82 eller senere revisjoner utføres.

Tid for utførelse:

Før første flyging etter 13.12.82.

Referanser:

Tysk AD 82-214.

11/83 REVISJON AV FLIGHT OG MAINTENANCE MANUAL

Påbudet gjelder:

Rolladen Schneider seilflymodell LS3

Påbudet omfatter:

Revisjon av Flight og Maintenance Manual som vist i Technical Bulletin no. 3029 datert 10.10.82 eller senere revisjoner.

Tid for utførelse:

Innen 31.3.1983

Referanser:

Tysk AD 82-215

R. Ulltang



17.3.83.

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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 3

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43 jfr. kgl. res. av 8. desember 1961, litra K og Samferdselsdepartementets bemyndigelse av 23. mars 1964 fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 49/83 LUFTBREMS. NEDRE BLAD

#### Påbudet gjelder:

Rolladen-Schneider LS4 og LS4a med serienr. opp til 4340.

#### Påbudet omfatter:

For å forhindre at luftbremsens nedre blad fastlåses ved høye hastigheter skal Rolladen-Schneider Technische Mitteilung TM 4020 datert 1. september 1983, eller senere revisjoner utføres.

#### Tid for utførelse:

Før første flyging etter 9.12.83.

#### Referanse:

LBA AD nr. 83-158 Rolladen-Schneider  
Rolladen-Schneider Technische Mitteilung TM 4020

### 74/86 OPERATIV BEGRENSNING

#### Påbudet gjelder:

LS 6, alle serienr.

#### Påbudet omfatter:

For å unngå skade i rotoroverføringene som følge av flutter skal følgende utføres:

1. Fest et skilt til instrumentpanelet med følgende tekst:

" MAXIMUM AIRSPEED (IAS): 200 km/h (108 kts)"

Anm.: Dette pkt. kan utføres av flyets eier/bruker.

2. Endre "redline" på hastighetsmåleren til 200 km/h (108 kts).

#### Tid for utførelse:

Før første flyging etter 13.11.86.

#### Referanse:

Tysk AD 86-140

13.11.86

**MERK!** For at angjeldende flymateriell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDP's nummer.

**125/88 FORLENGELSE AV TOTAL GANGTID**Påbudet gjelder:

Rolladen-Schneider LS 3, LS 3-a og LS 3-17 alle serienummer.

Påbudet omfatter:

Total gangtid kan utvides til 6000 timer såfremt luftdyktigheten til hvert enkelt seilfly blir kontrollert i henhold til et spesielt flerstegs inspeksjonsprogram som er inkludert i "Maintenance Manual".

Følgende sider med tittelen "Inspection Sequence to Increase Service Life" settes inn i "Maintenance Manual":

LS 3 : sidene 5-2 og 5-3, utg. februar 1988

LS 3-a og LS 3-17 : siden 5-2, utg. februar 1988

Se også Rolladen-Schneider Technical Bulletin nr. 3038, datert 15.2.1988.

Inspeksjoner krevd i kapittel "Inspection Sequence to Increase Service Life" i Maintenance Manual skal utføres ved fabrikken eller verksted spesielt godkjent av fabrikken for å utføre slikt arbeid.

En inspeksjonsrapport der hvert enkelt punkt i inpeksjonen er beskrevet skal utarbeides, og i de tilfeller der inspeksjonen ikke er utført av fabrikken skal en kopi sendes dit for analyser.

Anm.: Utførelse av årlig ettersyn berøres ikke av denne LDP.

Tid for utførelse:

Innen en gangtid på 3000 timer er oppnådd.

Referanse:

Tysk AD 88-81

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## LUFFDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 4

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43 jfr. kgl. res. av 8. desember 1961, litra K og Samferdselsdepartementets bemyndigelse av 23. mars 1964 fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 79/88 INSTALLASJON AV VIBRASJONSDEMPER

Påbudet gjelder:

LS 6 og LS 6a, alle serienummer.

Påbudet omfatter:

For å unngå skade på kontrollorganene i hastigheter mellom 250 og 270 km/t på grunn av balanserorsflutter skal tiltak beskrevet i Rolladen-Schneider Technical Note No. 6010 eller 6011, datert 10.1.87, eller senere revisjoner av disse utføres.

Anm.: Etter at denne LDP er utført er hastighetsbegrensningene pålagt i LDP 74/86 kansellert, og skilt og "redline" på hastighetsmåleren fjernes.

Tid for utførelse:

Før første flyging etter 10.1.89; dersom ikke allerede utført.

Referanse:

Tysk AD 86-140/2

### 82/88 FORLENGELSE AV TOTAL GANGTID

Påbudet gjelder:

LS 4 og LS 4-a, alle serienummer.

Påbudet omfatter:

Total gangtid kan utvides til 6000 timer såfremt tiltak i henhold til Rolladen-Schneider Technical Note No. 4027, datert 05.05.87, eller senere revisjoner av denne er utført.

Anm.: Påbudet skal utføres av godkjent vedlikeholdsinstitusjon, og kontrolleres og føres inn i flyets loggbok av seilflytekniker.

Tid for utførelse:

Innen en gangtid på 3000 timer er oppnådd.

Referanse:

Tysk AD 87-254

10.1.89

**MERK!** For at angjeldende flymaterieell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDP's nummer.

## |48/89 LUFTBREMSER

Påbudet gjelder:

Rolladen-Schneider LS6, LS6-a og LS6-b; alle serienummer.

Påbudet omfatter:

Dersom det ved fullt utslåtte luftbremses er mulig å bevege flaphåndtaket bakover fra landingsposisjonen (+15°), må luftbremshåndtakets bevegelsesområde begrenses med en stopp ved cockpitens utsparing.

Følgende tiltak skal utføres:

I samsvar med instruksjoner gitt i Rolladen-Schneider Technical Bulletin (TB) Nr. 6019, LS6, datert Feb./Mars 89, skal en deflektor støpes inn i vingenes "Air Brake Boxes" for å unngå at nedre blad muligens låser seg i vingestrukturen.

Ann.: Modifikasjonen skal utføres av godkjent vedlikeholdsinstans, og føres inn i flyets loggbøker og i "TB-AD-Accomplishment List", side 8-1 i "Instructions for Continued Airworthiness (Maintenance Manual)".

Tid for utførelse:

Før første flyging etter 5.2.90.

Referanse:

Tysk AD 89-60



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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 5

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43 jfr. kgl. res. av 8. desember 1961, litra K og Samferdselsdepartementets bemyndigelse av 23. mars 1964 fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 91-018 SLARK I PEDALJUSTERING

#### Påbudet gjelder:

Rolladen Schneider LS6 med serienr. 6194.  
LS6-a med serienr. 6189.  
LS6-b med serienr. 6149, 6151, 6177, 6187, 6188,  
6190 til 6193, 6202.  
LS6-c alle serienr.  
LS7 alle serienr.

#### Påbudet omfatter:

For å sikre korrekt funksjon av pedaljusteringen skal LS6 Technical Bulletin 6022 og LS7 Technical Bulletin 7003, utgitt mars 1991, eller senere revisjoner utføres.

#### Tid for utførelse:

Før første flyging etter 05.07.91.

#### Referanse:

LBA AD 91-110

### 92-015 KONTROLL AV DEFLEKTOR

#### Påbudet gjelder:

Rolladen Schneider LS 7; alle serienummer.

#### Påbudet omfatter:

For å forhindre at deflektoren ved den atomatiske koplingen mellom flykroppen og balanseroret bøyes bakover på grunn av uforsiktig rigging av vingene, skal Rolladen-Schneider Service Bulletin TM Nr. 7004 utføres.

#### Tid for utførelse:

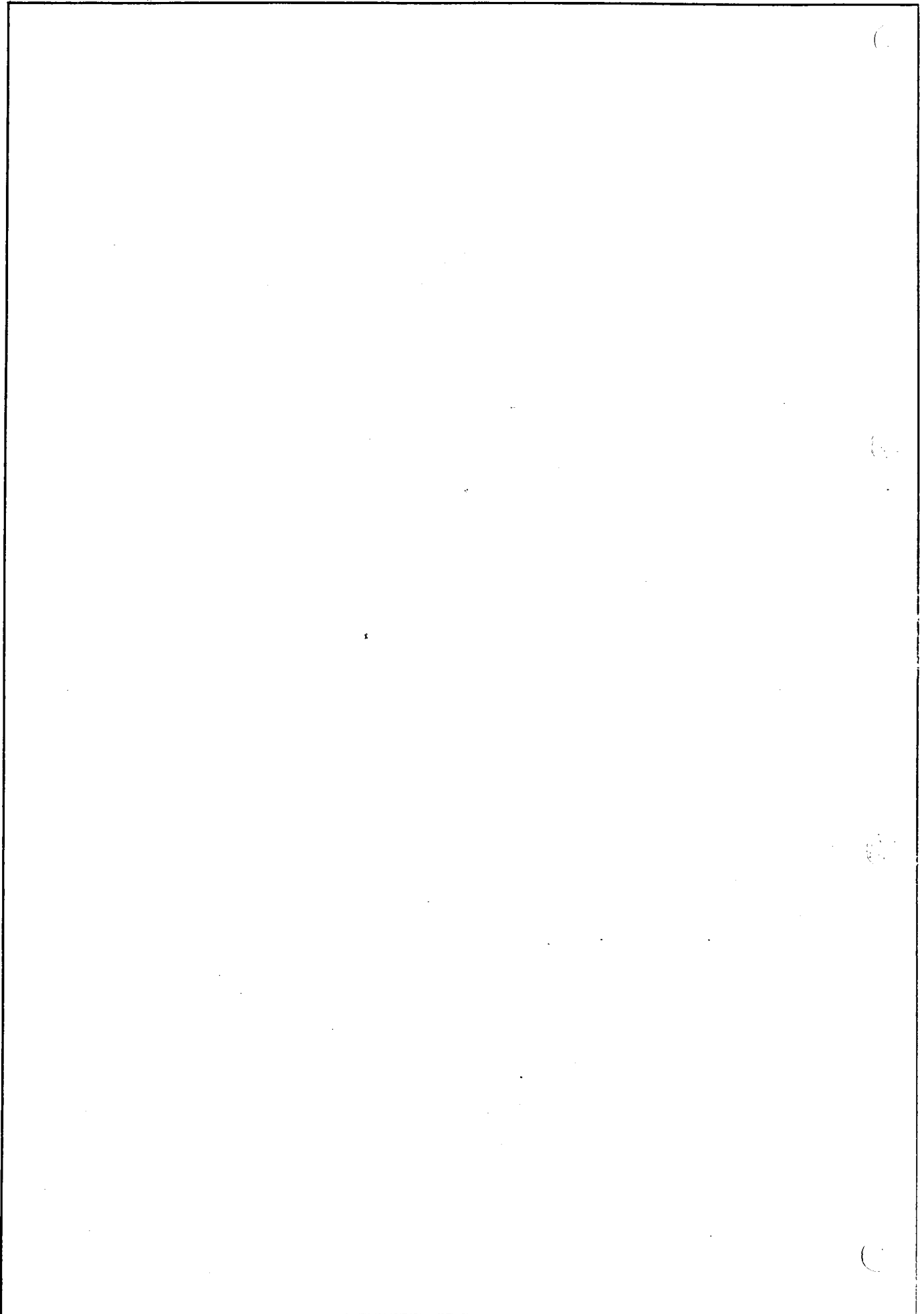
Før første flyging etter 03.03.92.

#### Referanse:

Tysk AD 91-172.

03.03.92

**MERK!** For at angjeldende flymateriell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDP's nummer.



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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 6

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43, jfr. kgl. res. av 8. desember 1961, litra K, og Samferdselsdepartementets bemyndigelse av 23. mars 1964, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 93-048 KONTROLL/UTSKIFTING AV "TRIM WEIGHT HOLDER"

#### Påbudet gjelder:

Rolladen-Schneider LS 3, LS 3-a, LS 3-17, LS 4 og LS 4-a; alle serienummer.

#### Påbudet omfatter:

For å hindre at "trim weight holder" sprekker eller går i oppløsning i sveiseområdet mellom "base plate" og "fixture bracket", skal følgende tiltak utføres i samsvar med Rolladen-Schneider Service Bulletin TM No. 3040/4033, datert 06.01.93:

1. Utfør en visuell inspeksjon av "trim weight holder" for sprekker.
2. Dersom sprekker ikke blir funnet, henvises det til pkt. 4 i denne LDP.
3. Dersom sprekker blir funnet, skal pkt. 4 i denne LDP utføres før videre flyging.
4. Skift ut "trim weight holder" med den modifiserte versjonen P/N 4R8-19c.

#### Tid for utførelse:

1. Før første flyging etter 01.06.93.
4. Innen 31.12.93.

#### Referanse:

LBA AD 93-083.

01.06.93

# LUFTDYKTIGHETSPÅBUD

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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 7

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43, jfr. kgl. res. av 8. desember 1961, litra K, og Samferdselsedepartementets  
bemyndigelse av 23. mars 1964, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 93-061 KONTROLL AV HØYDERORETS FREMRE MONTERINGSBRAKETT

#### Påbudet gjelder:

Rolladen-Schneider: LS3, LS3-A og LS3-17; alle serienummer.  
LS4, LS4-A; alle serienummer.

#### Påbudet omfatter:

For å hindre at høyderorets fremre monteringsbrakett løsner, skal tiltak utføres i samsvar med Rolladen-Schneider Technical Bulletin No. 3043/4035 datert 14.07.93.

#### Tid for utførelse:

Før første flyging etter 01.09.93.

#### Referanse:

LBA AD 93-155.

01.09.93

# LUFTDYKTIGHETSPÅBUD

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**MERK!** For at angjeldende flymateriell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDPs nummer.



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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN  
SCHNEIDER - 8

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43, jfr. kgl. res. av 8. desember 1961, litra K, og Samferdselsdepartementets bemyndigelse av 23. mars 1964, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 93-068 MODIFIKASJON AV LUFTBREMSE "BEVEL GEAR"

#### Påbudet gjelder:

Rolladen-Schneider LS3, LS3-a og LS3-17; alle serienummer.

#### Påbudet omfatter:

For å hindre at bolten i "gear drive plate" svikter, skal "bevel gear drive" kontrolleres for slark og modifiseres i samsvar med Rolladen-Schneider Technical Bulletin No. 3044, datert 14.07.93.

#### Tid for utførelse:

Før første flyging etter 01.10.93.

#### Referanse:

LBA AD 93-156.

01.10.93

# LUFTDYKTIGHETSPÅBUD

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**MERK!** For at angjeldende flymateriell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDPs nummer.



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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN  
SCHNEIDER - 9

Med hjemmel i lov om luftfart av 16. desember 1960 §§ 214 og 43, jfr. kgl. res. av 8. desember 1961, litra K, og Samferdselsdepartementets bemyndigelse av 23. mars 1964, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 93-069 KONTROLL AV UNDERSTELLETS LÅSEMEKANISME

#### Påbudet gjelder:

Rolladen-Schneider: LS3, LS3-a og LS3-17; alle serienummer  
LS4 og LS4-a; alle serienummer

#### Påbudet omfatter:

For å hindre at understellets låsemekanisme svikter på grunn av ukorrekt låsing av mutter, skal tiltak utføres i samsvar med Rolladen-Schneider Technical Bulletin 3045/4036, datert 07.07.93.

#### Tid for utførelse:

Før første flyging etter 01.10.93.

#### Referanse:

LBA AD 93-157.

01.10.93

# LUFTDYKTIGHETSPÅBUD

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**MERK!** For at angjeldende flymateriell skal være luftdyktig må påbudet være utført til rett tid og notat om utførelsen ført inn i vedkommende journal med henvisning til denne LDPs nummer.

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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN  
SCHNEIDER - 10

Med hjemmel om lov om luftfart av 11. juni 1993 kap. IV § 4-1 og kap. XV § 15-4, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

### 96-010 KONTROLL AV FJÆR I «FLAP DRIVE»

**Påbudet gjelder:**

LS 3(foruten LS 3A og LS 3-17), serienummer.:454 og 3000 til 3338.

**Påbudet omfatter:**

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 95-410.

**Tid for utførelse:**

Til de tider som beskrevet i vedlagte kopi av LBA AD 95-410.

**Referanse:**

LBA AD 95-410.

**Gyldighetsdato:**

01.02.96



Luftfahrt-Bundesamt  
-AD-Department-

Airworthiness Directive

*In case of any difficulty, reference should be made  
to the German original issue*

**95-410 Rolladen-Schneider**

Date of issue: November 16, 1995

Affected sailplanes:

German Type Certificate No.: 317

Rolladen-Schneider

LS3

(except LS3-a and LS3-17)

- S/No's.: 454 and 3000 up to 3338

Subject:

Spring in fuselage flap drive near landing gear box.

Reason:

The spring in the flap drive may fracture due to fatigue, resulting in flap handle during high speed flight not staying itself.

Action:

Exchange spring against longer spring, also forward mounting of spring moved from landing gear box to main bulkhead.

Compliance:

Immediately, when spring failed or at latest at the next annual inspection.

Technical publication of the manufacturer:

Rolladen-Schneider Technical Bulletin No. 3046, Edition October 95, dated November 01, 1995 and becomes herewith part of this AD and may be obtained from Messrs.

Rolladen-Schneider Flugzeugbau GmbH  
Mühlstr. 10

D-63329 Egelsbach

Federal Republic of Germany

Accomplishment and log book entry:

Action to be accomplished by an approved service station and to be checked and entered in the log by a licensed inspector.

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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY  
ROLLADEN-  
SCHNEIDER - 11

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets  
bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 97-053 UTVIDELSE AV GANGTID

#### Påbudet gjelder:

Rolladen-Schneider LS 4 og LS 4-a

#### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 87-254/2.

*Anm.: Denne LDP erstatter og opphever LDP 82/88.*

#### Tid for utførelse:

Til de tider som beskrevet i vedlagte kopi av LBA AD 87-254/2, med virkning fra denne LDP's gyldighetsdato.

#### Referanse:

LBA AD 87-254/2.

#### Gyldighetsdato:

01.08.97.



**Airworthiness  
Directive  
87-254/2**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Lilienthalplatz 6  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: July 03, 1997**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 4  
Models affected: LS 4 and LS 4-a  
Serial numbers affected: all  
German Type Certificate No.: 345

**Subject:**

Increase of service life

**Reason:**

Results of supplementary serviceability tests at main spar booms for wings proved that service life of GRP-sailplanes may be increased to 12000 hours, it airworthiness of each single sailplane is checked according to a special multiple-stage inspection program as included into Maintenance Manual.

**Action:**

Pages entitled „Inspection Sequence to increase Service Life“ should be added to Maintenance Manual and recorded in list of pages of Maintenance Manual.

**Compliance:**

Before reaching 3000 hours service life.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 4027a dated Oktober 23, 1995 which becomes herewith part of this AD and must be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D-63329 Egelsbach  
Federal Republik of Germany  
Phone: +49 (0) 6103 4126  
Fax: +49 (0) 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Note:**

This AD supersedes the AD-No. 87-254.

Luftfartstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
Telefax : 23 31 79 96  
e-post: postmottak@caa.dep.no

## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 12

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 99-062A BLOKKERING AV NØDUTLØSNING AV CANOPY.

#### Påbudet gjelder:

Rolladen-Schneider LS 8, alle modeller og serienummer.

#### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 1999-268/2.

#### Tid for utførelse:

Før første flyging.

#### Referanse:

LBA AD 1999-268/2.

#### Gyldighetsdato:

2001-04-01.



**Airworthiness  
Directive  
1999-268/2**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 15, 2001**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 8  
Models affected: All  
Serial numbers affected: All

**Note:**

Please consider notes in the Technical Bulletin

German Type Certificate No.:

402

**Subject:**

Obstruction of emergency canopy jettison and avoidance of possible injuries

**Reason / Action:**

A deflector on the upper instrument panel edge avoids possible jamming of the instrument panel between the canopy mounted panel cover after actuation of the canopy emergency jettison. Install an edge protector on the deflector, if not already has been done.

The actions must be done in accordance with the instructions given in the Technical Bulletin.

**Compliance:**

Before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 8004/2 dated February 12, 2001 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Note:**

This AD supersedes the AD-No. 1999-268 dated July 06, 1999.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.



LUFTFARTSVERKET  
Hovedadministrasjonen  
Luftfartsinspeksjonen  
Postboks 8124 Dep., 0032  
Oslo  
Telefon : 22 94 20 00  
Telefax : 22 94 23 91

## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 13

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 99-063A BLOKKERING AV NØDUTLØSNING AV CANOPY.

#### Påbudet gjelder:

Rolladen-Schneider LS 7, alle modeller og serienummer.

#### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 1999-267/2.

#### Tid for utførelse:

Før første flyging.

#### Referanse:

LBA AD 1999-267/2.

#### Gyldighetsdato:

2001-04-01



**Airworthiness  
Directive  
1999-267/2**

**Lufffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 15, 2001**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 7  
Models affected: All  
Serial numbers affected: All

**Note:**

Please consider notes in the Technical Bulletin

German Type Certificate No.: 375

**Subject:**

Obstruction of emergency canopy jettison and avoidance of possible injuries

**Reason / Action:**

A deflector on the upper instrument panel edge avoids possible jamming of the instrument panel between the canopy mounted panel cover after actuation of the canopy emergency jettison. Install an edge protector on the deflector, if not already has been done.

The actions must be done in accordance with the instructions given in the Technical Bulletin.

**Compliance:**

Before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 7011/2 dated February 12, 2001 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Note:**

This AD supersedes the AD-No. 1999-267 dated July 06, 1999..

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Lufffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

Luftfartstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
Telefax : 23 31 79 96  
e-post: postmottak@caa.dep.no

## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 14

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets  
bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 99-064A BLOKKERING AV NØDUTLØSNING AV CANOPY.

#### Påbudet gjelder:

Rolladen-Schneider LS 6, alle modeller og serienummer, som er listet i vedlagte LBA AD 1999-266/2.

#### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 1999-266/2.

#### Tid for utførelse:

Før første flyging.

#### Referanse:

LBA AD 1999-266/2.

#### Gyldighetsdato:

2001-04-01.



**Airworthiness  
Directive  
1999-266/2**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 15, 2001**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 6  
Models affected: All  
Serial numbers affected: All  
**Note:**  
Please consider notes in the Technical Bulletin  
German Type Certificate No.: 357

**Subject:**

Obstruction of emergency canopy jettison and avoidance of possible injuries

**Reason / Action:**

A deflector on the upper instrument panel edge avoids possible jamming of the instrument panel between the canopy mounted panel cover after actuation of the canopy emergency jettison. Install an edge protector on the deflector, if not already has been done.

The actions must be done in accordance with the instructions given in the Technical Bulletin.

**Compliance:**

Before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 6036/2 dated February 12, 2001 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10  
  
D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Note:**

This AD supersedes the AD-No. 1999-266 dated July 06, 1999..

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

LUFTFARTSVERKET  
Hovedadministrasjonen  
Luftfartsinspeksjonen  
Postboks 8124 Dep., 0032 Oslo  
Telefon : 22 94 20 00  
Telefax : 22 94 23 91  
Tlgr. : CIVILAIR  
Telex : 71032 enfb n

# LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY  
  
ROLLADEN-  
SCHNEIDER - 15

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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## 99-065 SPREKKONTROLL AV "AIR BRAKE LOCKING BRACKET"

### Påbudet gjelder:

Rolladen-Schneider LS 4 og LS 4-a, alle modeller og serienummer.

### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 1999-270.

### Tid for utførelse:

Før første flyging.

### Referanse:

LBA AD 1999-270.

### Gyldighetsdato:

1999-08-01



**Airworthiness  
Directive  
1999-270**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: July 22, 1999**

**Affected:**

Kind of aeronautical product:	Sailplane
Manufacturer:	Rolladen-Schneider, Egelsbach, Germany
Type:	LS 4
Models affected:	LS 4 and LS 4-a
Serial numbers affected:	All
German Type Certificate No.:	345

**Subject:**

Air brake locking in fuselage

**Reason:**

Due to possibly improper preflight checks, asymmetric adjustment of pushrods during exchange of L'Hotellier ball snap joints or uneven locking adjustments, the air brake locking bracket may be under long time asymmetric load, resulting in fatigue fracture at the lateral fixtures.

**Action:**

Inspection and if necessary, exchange of air brake locking bracket in accordance with the Technical Bulletin.

**Compliance:**

Before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 4042 dated July 02, 1999 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45528

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

Rolladen-Schneider Flugzeugbau GmbH LBA-Nr. EB-4 / I-B16	Technical Bulletin No. 4042	LS4	Page 1 of 2 Edition 02.July 1999
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Subject: Air brake locking in fuselage

Effectivity: **Sailplane LS4, versions LS4 and LS4-a,**  
serial numbers between 4000 and 4852

Accomplishment: Inspection for cracks before next flight by operator.

Reason: Due to possibly improper preflight checks, asymmetric adjustment of pushrods during exchange of L'Hotellier ball snap joints or uneven locking adjustments, the air brake locking bracket may be under long time asymmetric load, resulting in fatigue fracture at the lateral fixtures.

- Material and Instructions:
1. With sailplane rigged, check air brake locking bracket on rear landing gear box for lateral movement during air brake locking.
  2. Check both fixing angles at this air brake locking bracket for lateral deformation (indication by cracks in paint or paint chipping off) and/or cracks in the welding region to the tube. (See sketch on page 2)
  3. Only with cracks or deformation existent, disassemble the bracket. Repair and modification required according to drawing 3R6-27b .

After assembly of bracket, the following must be checked:

- simultaneous touching of air brake elastic covers to wing cut-out during retracting
- adjustment of short fuselage locking pushrods possible at inner rod end bearings in 0.625 mm [0.0246 in] steps per half turn, dismount pushrods from overcenter unit for adjustment.
- finer adjustment steps are also possible due to different thread pitch: Turning L'Hotellier ball snap joint 1 turn outward (1mm [0.03937 in] pitch) and turning rod end bearing 1 half turn inward results in 0.375 mm [0.01476 in] longer pushrod.
- check locking of nuts after adjustments
- check minimum thread length in both pushrod ends after adjustments using thread control openings: feeler wire must still touch thread
- maximum locking force at cockpit lever 20 kg [44 lbs], longer locking pushrods increase force required.

Weight and Balance: Not affected.

Remarks: Inspection and possible exchange/adjustments by operator or national authority approved repair station.

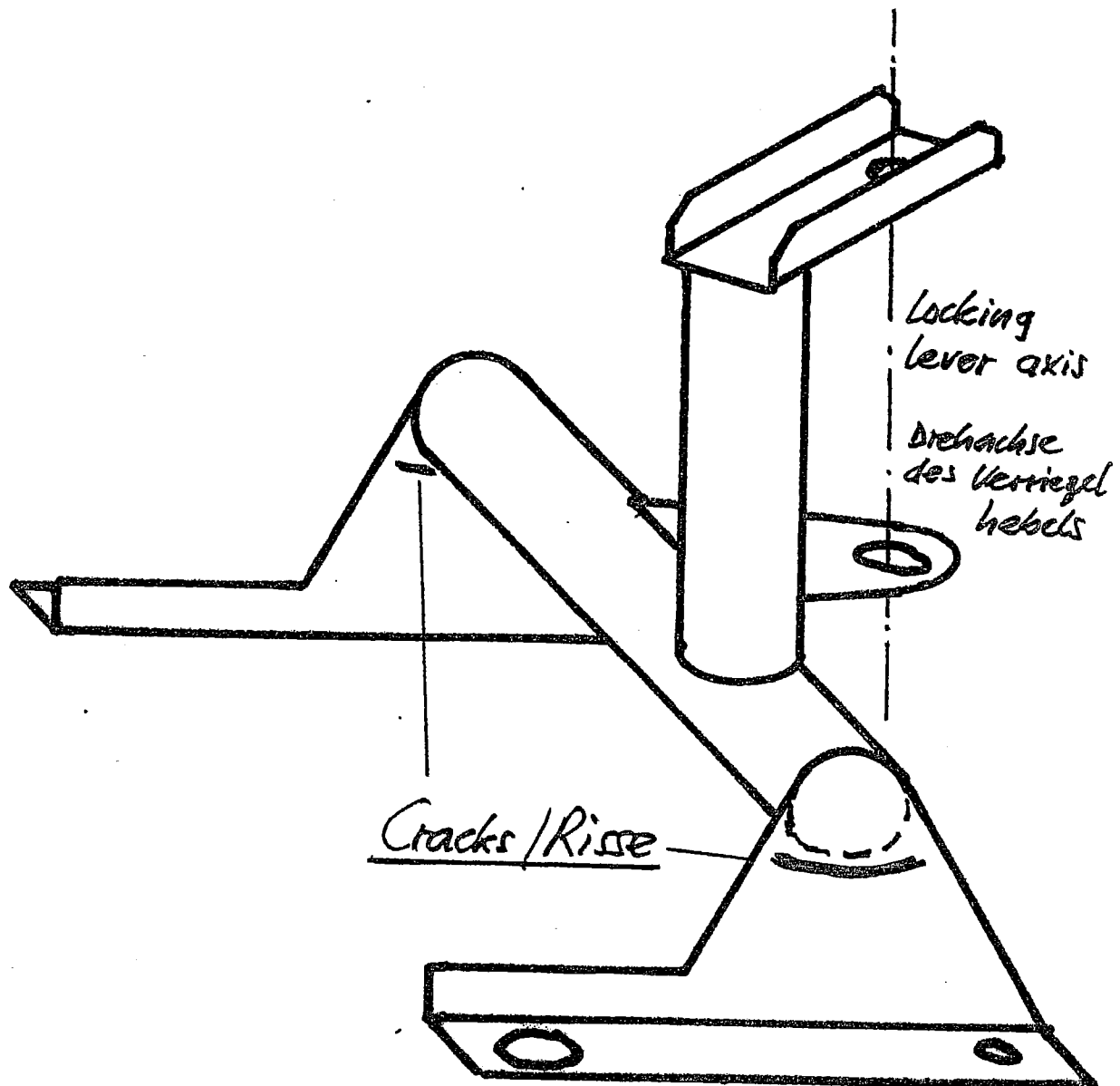
Accomplishment must be entered into logbook (Repair performed or not required) and TB-AD-Accomplishment List in Maintenance Manual and signed by inspector during next annual inspection.

LBA-approved:

(TM4042)

Lagerbock der Bremsklappenverriegelung rumpfseitig auf dem Fahrwerkskasten (Bereich auftretender Risse markiert)

Air brake locking bracket on landing gear box (Crack region marked)



(TM4042)

Erstellt: 02. Juli 1999

Geprüft:



Lufthavstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031 Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
Telefax : 23 31 79 96  
e-post: postmortak@caa.dep.no

# LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY

ROLLADEN-  
SCHNEIDER - 16

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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## 2000-002 UTVIDELSE AV GANGTID

### Påbudet gjelder:

Rolladen-Schneider LS 1 og LS 1-f, alle modeller og serienummer.

### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 1999-378.

### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD 1999-378, med virkning fra denne LDP's gyldighetsdato.

### Referanse:

LBA AD 1999-378.

### Gyldighetsdato:

2000-01-01



**Airworthiness  
Directive  
1999-378**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

Effective Date: December 16, 1999

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 1-0  
Models affected: LS 1-f  
Serial numbers affected: all  
German Type Certificate No.: 262

**Subject:**

Increase of Service Life

**Reason:**

Results of supplementary serviceability tests at main spar booms for wing proved, that service life of GRP-sailplanes may be increased to 6000 hours, if airworthiness of each single sailplane is checked according to a special multiple-stage inspection program as included into Flight and Maintenance Manual.

**Action:**

Insert the pages A and B into the Flight and Maintenance Manual, titled „Inspection Sequence to increase Service Life“ (Edition January 98) and record into the list of pages.

The action must be done in accordance with the Technical Bulletin of the manufacturer.

**Compliance:**

Before reaching 3000 hours of service life.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 48 Edition 98 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.



Luftfahrt-Bundesamt

**Lufttüchtigkeitsanweisung**  
**LTA-Nr.: 1999-378**

**Datum der Bekanntgabe: 16.12.1999**

**Muster:** Rolladen-Schneider  
LS 1-0

**AD der ausländischen Behörde:**  
- keine -

**Geräte-Nr.:**  
262

**Technische Mitteilungen des Herstellers:**  
Rolladen-Schneider LS 1-f Technische Mitteilung Nr. 48 vom  
Januar 1998

**Betroffenes Luftfahrtgerät:**

Rolladen-Schneider  
LS 1-0

- Baureihen: LS 1-f

- Werk-Nrn.: alle

**Betrifft:**

Erhöhung der Betriebszeit

Die Ergebnisse der an Tragflügelholmen nachträglich durchgeführten Betriebsfestigkeitsversuchen haben den Nachweis erbracht, daß die Betriebszeit der GFK-Segelflugzeuge auf 6000 Stunden erhöht werden kann, wenn für jedes Stück in einem speziellen Mehrstufenprüfplan die Lufttüchtigkeit nachgewiesen wird. Das Mehrstufenprüfprogramm ist in das Flug- und Betriebshandbuch aufzunehmen.

**Maßnahmen:**

Im Flug- und Betriebshandbuch ist der "Prüfungsablauf zur Erhöhung der Betriebszeit" gemäß den Angaben der Technischen Mitteilungen aufzunehmen.

**Fristen:**

Durchführung: vor dem Erreichen von 3000 Flugstunden.

Durch die vorgenannten Mängel ist die Lufttüchtigkeit des Luftfahrtgerätes derart beeinträchtigt, daß es nach Ablauf der genannten Fristen nur in Betrieb genommen werden darf, wenn die angeordneten Maßnahmen ordnungsgemäß durchgeführt worden sind. Im Interesse der Sicherheit des Luftverkehrs, das in diesem Fall das Interesse des Adressaten am Aufschub der angeordneten Maßnahmen überwiegt, ist es erforderlich, die sofortige Vollziehung dieser LTA anzuordnen.

**Rechtsbehelfsbelehrung:**

Gegen diese Verfügung kann innerhalb eines Monats nach Bekanntgabe Widerspruch eingelegt werden. Der Widerspruch ist schriftlich oder zur Niederschrift beim Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig einzulegen.

*LTA's werden auch im Internet unter <http://www.lba.de> publiziert*

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Luftfartstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031 Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
Telefax : 23 31 79 96  
e-post: postmottak@caa.dep.no

SEILFLY OG  
BALLONGER

# LUFTDYKTIGHETSPÅBUD (LDP)

ROLLADEN-  
SCHNEIDER - 17

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets  
bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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## 2000-019 FLIGHT OG MAINTENANCE MANUAL

### Påbudet gjelder:

Rolladen-Schneider LS 8-a alle serienummer.

### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2000-067.

### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2000-067, med virkning fra denne LDP's gyldighetsdato.

### Referanse:

LBA AD 2000-067.

### Gyldighetsdato:

2000-04-01.



**Airworthiness  
Directive  
2000-067**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 09, 2000**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 8-a  
Models affected: LS 8-a  
Serial numbers affected: all  
German Type Certificate No.: 402

**Subject:**

Flight and Maintenance Manual

**Reason:**

The manuals must be adapted to the applicable airworthiness requirements; the loading range will have to be checked on the basis of the tables and, if applicable, a modification of placards as well as an entry into the flight manual will be required.

**Action:**

Exchange of pages into the Flight Manual and Maintenance Manual, check cockpit load range according tables and if necessary, correct cockpit placards and enter values into the AFM.

The actions must be performed in accordance with the Technical Note of the manufacturer.

**Compliance:**

Action must be done within the next 3 months at latest.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 8007 Edition 25.Nov.99 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

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Luftfartstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
Telefax : 23 31 79 96  
e-post: postmottak@caa.dep.no

SEILFLY OG  
BALLONGER

## LUFTDYKTIGHETSPÅBUD (LDP)

ROLLADEN-  
SCHNEIDER - 18

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 2000-021 SPREKKONTROLL AV LUFTBREMSE

#### **Påbudet gjelder:**

Rolladen-Schneider LS 4 alle serienummer.

#### **Påbudet omfatter:**

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2000-076.

#### **Tid for utførelse:**

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2000-076, med virkning fra denne LDP's gyldighetsdato.

#### **Referanse:**

LBA AD 2000-076.

#### **Gyldighetsdato:**

2000-04-01.



**Airworthiness  
Directive  
2000-076**

**Lufffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 09, 2000**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 4  
Models affected: all  
Serial numbers affected: all  
German Type Certificate No.: 345

**Subject:**

Flight Controls - Jamming of the air brakes in extended position

**Reason:**

It has been reported, that in some cases, corroded air brake lever bearings were found. The reason of the corrosion is collection of water in the air brake boxes which has not been removed after the flight. Long time corrosion on the air brake lever bearings may lead to excessive play. Excessive play in the air brake retention mechanism can result in operation problems during landing approaches.

**Action:**

1. Check the lower end of the air brake levers for corrosion.
2. Check the air brakes for signs of jamming/locking during retracting under load.
3. Modification of the lower part of the long version air brakes.
4. Add and exchange pages into Maintenance and Flight Manual.
5. Replacement of bearings, if corrosion or jamming in the retraction mechanism has been established.

The actions must be performed in accordance with the Technical Note of the manufacturer.

Note: The actions 1 up to 4 can be performed by the owner of the aircraft.

**Compliance:**

The Technical Note must be applied before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 4043 Edition 14.Sep.99 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

**BLANK**

Luftfartstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
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# LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER  
  
ROLLADEN-  
SCHNEIDER - 19

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart. kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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## 2000-022 SPREKKONTROLL AV LUFTBREMSER

### Påbudet gjelder:

Rolladen-Schneider LS 6 alle serienummer.

### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2000-082.

### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2000-082, med virkning fra denne LDP's gyldighetsdato.

### Referanse:

LBA AD 2000-082.

### Gyldighetsdato:

2000-04-01.



**Airworthiness  
Directive  
2000-082**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 09, 2000**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 6  
Models affected: all  
Serial numbers affected: all  
German Type Certificate No.: 357

**Subject:**

Flight Controls - Jamming of the air brakes in extended position

**Reason:**

It has been reported, that in some cases, corroded air brake lever bearings were found. The reason of the corrosion is collection of water in the air brake boxes which has not been removed after the flight. Long time corrosion on the air brake lever bearings may lead to excessive play. Excessive play in the air brake retention mechanism can result in operation problems during landing approaches.

**Action:**

1. Check the lower end of the air brake levers for corrosion.
2. Check the air brakes for signs of jamming/locking during retracting under load.
3. Add and exchange pages into Maintenance and Flight Manual.
4. Replacement of bearings, if corrosion or jamming in the retraction mechanism has been established.

The actions must be performed in accordance with the Technical Note of the manufacturer.

Note: The actions 1 up to 3 can be performed by the owner of the aircraft.

**Compliance:**

The Technical Note must be applied before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 6037 Edition 14.Sep.99 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

Enquiries regarding this Airworthiness Directive should be referred to Mr. Olaf Schneider, 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!

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

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Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
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SEILFLY OG  
BALLONGER  
  
ROLLADEN-  
SCHNEIDER - 20

## LUFTDYKTIGHETSPÅBUD (LDP)

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 2000-023 SPREKKONTROLL AV LUFTBREMSER

#### Påbudet gjelder:

Rolladen-Schneider LS 7 alle serienummer.

#### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2000-083.

#### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2000-083, med virkning fra denne LDP's gyldighetsdato.

#### Referanse:

LBA AD 2000-083.

#### Gyldighetsdato:

2000-04-01.



**Airworthiness  
Directive  
2000-083**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 09, 2000**

**Affected:**

Kind of aeronautical product:	Sailplane
Manufacturer:	Rolladen-Schneider, Egelsbach, Germany
Type:	LS 7
Models affected:	all
Serial numbers affected:	all
German Type Certificate No.:	375

**Subject:**

Flight Controls - Jamming of the air brakes in extended position

**Reason:**

It has been reported, that in some cases, corroded air brake lever bearings were found. The reason of the corrosion is collection of water in the air brake boxes which has not been removed after the flight. Long time corrosion on the air brake lever bearings may lead to excessive play. Excessive play in the air brake retention mechanism can result in operation problems during landing approaches.

**Action:**

1. Check the lower end of the air brake levers for corrosion.
2. Check the air brakes for signs of jamming/locking during retracting under load.
3. Add and exchange pages into Maintenance Manual.
4. Replacement of bearings, if corrosion or jamming in the retraction mechanism has been established.

The actions must be performed in accordance with the Technical Note of the manufacturer.

Note: The actions 1 up to 3 can be performed by the owner of the aircraft.

**Compliance:**

The Technical Note must be applied before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 7013 Edition 14.Sep.99 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!

interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

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Luftfartstilsynet  
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Postboks 8050 Dep., 0031Oslo  
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SEILFLY OG  
BALLONGER  
  
ROLLADEN-  
SCHNEIDER - 21

## LUFTDYKTIGHETSPÅBUD (LDP)

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 2000-024 SPREKKKONTROLL AV LUFTBREMSE

**Påbudet gjelder:**

Rolladen-Schneider LS 8-a alle serienummer.

**Påbudet omfatter:**

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2000-084.

**Tid for utførelse:**

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2000-084, med virkning fra denne LDP's gyldighetsdato.

**Referanse:**

LBA AD 2000-084.

**Gyldighetsdato:**

2000-04-01.



**Airworthiness  
Directive  
2000-084**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 09, 2000**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 8-a  
Models affected: all  
Serial numbers affected: all  
German Type Certificate No.: 402

**Subject:**

Flight Controls - Jamming of the air brakes in extended position

**Reason:**

It has been reported, that in some cases, corroded air brake lever bearings were found. The reason of the corrosion is collection of water in the air brake boxes which has not been removed after the flight. Long time corrosion on the air brake lever bearings may lead to excessive play. Excessive play in the air brake retention mechanism can result in operation problems during landing approaches.

**Action:**

1. Check the lower end of the air brake levers for corrosion.
2. Check the air brakes for signs of jamming/locking during retracting under load.
3. Add and exchange pages into Maintenance Manual.
4. Replacement of bearings, if corrosion or jamming in the retraction mechanism has been established.

The actions must be performed in accordance with the Technical Note of the manufacturer.

Note: The actions 1 up to 3 can be performed by the owner of the aircraft.

**Compliance:**

The Technical Note must be applied before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 8005 Edition 14.Sep.99 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

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# LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER  
  
ROLLADEN-  
SCHNEIDER - 22

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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## 2000-025 SPREKKONTROLL AV LUFTBREMSE

### Påbudet gjelder:

Rolladen-Schneider LS 3 alle serienummer.

### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2000-085.

### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2000-085, med virkning fra denne LDP's gyldighetsdato.

### Referanse:

LBA AD 2000-085.

### Gyldighetsdato:

2000-04-01.



**Airworthiness  
Directive  
2000-085**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 09, 2000**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 3  
Models affected: all  
Serial numbers affected: all  
German Type Certificate No.: 317

**Subject:**

Flight Controls - Jamming of the air brakes in extended position

**Reason:**

It has been reported, that in some cases, corroded air brake lever bearings were found. The reason of the corrosion is collection of water in the air brake boxes which has not been removed after the flight. Long time corrosion on the air brake lever bearings may lead to excessive play. Excessive play in the air brake retention mechanism can result in operation problems during landing approaches.

**Action:**

1. Check the lower end of the air brake levers for corrosion.
2. Check the air brakes for signs of jamming/locking during retracting under load.
3. Modification of the lower part of the long version air brakes.
4. Add and exchange pages into Maintenance and Flight Manual.
5. Replacement of bearings, if corrosion or jamming in the retraction mechanism has been established.

The actions must be performed in accordance with the Technical Note of the manufacturer.

Note: The actions 1 up to 4 can be performed by the owner of the aircraft.

**Compliance:**

The Technical Note must be applicated before the next flight.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 3051 Edition 14.Sep.99 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

**BLANK**

Luftfartstilsynet  
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Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
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# LUFTDYKTIGHETSPÅBUD (LDP)

SEIFLY OG  
BALLONGER

ROLLADEN-  
SCHNEIDER - 23

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets  
bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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**2000-026 VINGETANK**

**Påbudet gjelder:**

Rolladen-Schneider LS 8-a som beskrevet i vedlagte kopi av LBA AD 2000-086.

**Påbudet omfatter:**

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2000-086.

**Tid for utførelse:**

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2000-086, med virkning fra denne LDP's gyldighetsdato.

**Referanse:**

LBA AD 2000-086.

**Gyldighetsdato:**

2000-04-01.



**Airworthiness  
Directive  
2000-086**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: March 23, 2000**

**Affected:**

Kind of aeronautical product:	Sailplane
Manufacturer:	Rolladen-Schneider, Egelsbach, Germany
Type:	LS 8-a
Models affected:	LS 8-18
Serial numbers affected:	all
German Type Certificate No.:	402

**Subject:**

Wings, water-tanks, drain tube of outer tank in wing leading edge

**Reason:**

There have been found closed outer tank drain tubes in the outer wing tank. The reason could be a chemical reaction and / or frost and the additional outer tank draining tube could be unusable and leaky against the inner tank.

**Action:**

The outer wing tank draining tubes must be closed. Insert a special note into the logbook that the draining holes were closed. The action must be done in accordance with the Technical Note of the manufacturer.

**Compliance:**

Action must be done before the next flight with water ballast.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 8006/2 Edition 10.Feb.00 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!

Luftfartstilsynet  
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## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER

ROLLADEN-  
SCHNEIDER - 24

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 2001-020 UTVIDELSE AV SERVICETID

#### **Påbudet gjelder:**

Rolladen-Schneider LS 6 modeller som beskrevet i vedlagte kopi av LBA AD 2001-110.

#### **Påbudet omfatter:**

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2001-110.

#### **Tid for utførelse:**

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2001-110, med virkning fra denne LDP's gyldighetsdato.

#### **Referanse:**

LBA AD 2001-110.

#### **Gyldighetsdato:**

2001-04-01.



**Airworthiness  
Directive  
2001-110**

**Lufffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: April 05, 2001**

**Affected:**

Kind of aeronautical product:	Sailplane
Manufacturer:	Rolladen-Schneider, Egelsbach, Germany
Type:	LS 6
Models affected:	only LS 6-c
Serial numbers affected:	all
German Type Certificate No.:	357

**Subject:**

Extension of the service time and Supplements of the Maintenance Manual

**Reason:**

The results of fatigue tests (subsequently carried out on wing spar sections) have demonstrated that the time in service of GFRP sailplanes may be extended to 12000 hours, provided the airworthiness of each individual aircraft is evidenced by a special multi-stage inspection program, which is then to be incorporated into the Maintenance Manual.

**Action:**

Insert revisions of the Maintenance Manual and whenever one of the various limits in service time is reached, an inspection is to be performed according to an „Inspection program for extending the service time“ which may be obtained from the manufacturer.

The actions must be done in accordance with the Technical Notes of the manufacturer.

**Compliance:**

The action must be performed on reaching a service time of 3000 flight hours.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 6035 Edition 30. Oktober 2000 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!



Luftfartstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031 Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
Telefax : 23 31 79 95  
e-post: postmottak@caa.dep.no

## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER

ROLLADEN-  
SCHNEIDER - 25

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 2001-042 UTVIDELSE AV SERVICETID

#### Påbudet gjelder:

Rolladen-Schneider LS 8 modeller som beskrevet i vedlagte kopi av LBA AD 2001-200.

#### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2001-200.

#### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2001-200, med virkning fra denne LDP's gyldighetsdato.

#### Referanse:

LBA AD 2001-200.

#### Gyldighetsdato:

2001-09-03.



**Airworthiness  
Directive  
2001-200**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: July 26, 2001**

**Affected:**

Kind of aeronautical product:	Sailplane
Manufacturer:	Rolladen-Schneider, Egelsbach, Germany
Type:	LS 8
Models affected:	only LS 8-a
Serial numbers affected:	all
German Type Certificate No.:	402

**Subject:**

Extension of the service time

**Reason:**

The results of fatigue tests (subsequently carried out on wing spar sections) have demonstrated that the time in service of GFRP sailplanes may be extended to 12000 hours, provided the airworthiness of each individual aircraft is evidenced by a special multi-stage inspection program, which is incorporated into the Maintenance Manual.

**Action:**

Perform an inspection according to the „Inspection program for extending the service time“ in accordance with the Technical Notes of the manufacturer.

**Compliance:**

The action must be performed before reaching a service time of 3000 flight hours.

**Technical publication of the manufacturer:**

Rolladen-Schneider LS 8-a Technical Bulletin No. 8010 Edition 15. November 2000 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.

**Holders of affected aircraft registered in Germany have to observe the following:**

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed

**Instructions about Available Legal Remedies:**

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

Luftfartstilsynet  
1. tilsynsavdeling  
Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
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Telefax : 23 31 79 95  
e-post: postmottak@caa.dep.no

## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER  
  
ROLLADEN-  
SCHNEIDER - 26

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets  
bemyndigelse av 25. mars 1994, fastsetter Luftfartsverket følgende forskrift om luftdyktighet.

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### 2001-068A REVISJON AV FLIGHT- OG MAINTENANCE MANUAL

#### Påbudet gjelder:

Rolladen-Schneider LS 3 modeller som beskrevet i vedlagte kopi av LBA AD 2001-331/2.

#### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2001-331/2.

#### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2001-331/2, med virkning fra denne LDP's gyldighetsdato.

#### Referanse:

LBA AD 2001-331/2.

#### Gyldighetsdato:

2002-02-04.



**Airworthiness  
Directive  
2001-331/2**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: January 10, 2002**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 3  
Models affected: LS 3, LS 3-a and LS 3-17 S/N: all

and the following LS 3 sailplanes certificated individually

LS 3 / V1 S/N: 454  
LS 3-ake S/N: 3341 and 3342  
LS 3-a S/N: 3400

German Type Certificate No.:

317

**Subject:** Exchange of pages into the Flight- and Maintenance Manuals

**Reason/Action:**

Exchange and update of manual pages in accordance with the instructions of the Technical Bulletin. All Lists of Pages have been updated with relevant Technical Bulletins. For some items (Backrest, Trim System) possible optional versions can only be checked at the planes. In the LS3-a Maintenance Manual, page 6-2 can be valid in 4 different versions, depending on elevator system and aileron mass balance. See pages 2 and 3 of this Technical Bulletin for final production values. The aileron mass balance may have been changed by performing TB 3028 from LS3-a version to LS3-17 version (page 6-2, Edition 01.05.81). This can also be checked at the plane only.

**Compliance:**

The action must be performed until the next annual inspection..

**Technical publication of the manufacturer:**

Rolladen-Schneider LS 3 Technical Bulletin No. 3050 Edition July 11, 2001 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Note:**

This AD supersedes the AD-No. 2001-331 dated November 29, 2001.

**Holders of affected aircraft registered in Germany have to observe the following:**

Action to be accomplished by the owner of the aircraft or an approved service station and to be checked and entered in the log book by a licensed inspector.

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed.

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

**Datum der Bekanntgabe: 10.01.2002**

Muster: Rolladen-Schneider  
LS 3

AD der ausländischen Behörde:  
-keine-

Geräte-Nr.:  
317

Technische Mitteilungen des Herstellers:  
Rolladen-Schneider LS 3 Technische Mitteilung No. 3050 vom  
11.07.2001

**Betroffenes Luftfahrtgerät:**

Rolladen-Schneider  
LS 3

- Baureihen: LS 3, LS 3-a und LS 3-17  
- Werk-Nrn.: alle

sowie folgende Einzelstücke

LS 3 / V1  
- Werk-Nr.: 454

LS 3-ake  
- Werk-Nrn.: 3341 und 3342

LS 3-a  
- Werk-Nr.: 3400

- Werk-Nrn.: siehe Angaben unter "Baureihen"

**Betrifft:**

Flug- und Wartungshandbuch

- Austausch und Ergänzung von Seiten im Flug- und Wartungshandbuch

**Maßnahmen:**

Austausch und Ergänzung von Seiten im Flug- und Wartungshandbuch gemäß den Angaben der Technischen Mitteilung.

Hinweis: Der Austausch der Seiten kann vom Luftfahrzeughalter vorgenommen werden.

**Fristen:**

Der Austausch der Handbuchseiten ist spätestens bis zur kommenden Jahresnachprüfung durchzuführen.

Durch die vorgenannten Mängel ist die Lufttüchtigkeit des Luftfahrtgerätes derart beeinträchtigt, daß es nach Ablauf der genannten Fristen nur in Betrieb genommen werden darf, wenn die angeordneten Maßnahmen ordnungsgemäß durchgeführt worden sind. Im Interesse der Sicherheit des Luftverkehrs, das in diesem Fall das Interesse des Adressaten am Aufschub der angeordneten Maßnahmen überwiegt, ist es erforderlich, die sofortige Vollziehung dieser LTA anzuordnen.

**Rechtsbehelfsbelehrung:**

Gegen diese Verfügung kann innerhalb eines Monats nach Bekanntgabe Widerspruch eingelegt werden. Der Widerspruch ist schriftlich oder zur Niederschrift beim Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig einzulegen.

*LTA's werden auch im Internet unter <http://www.lba.de> publiziert*

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Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
Telefon : 23 31 78 00  
Telefax : 23 31 79 95  
e-post: postmottak@caa.dep.no

## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER

ROLLADEN-  
SCHNEIDER - 27

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartstilsynet følgende forskrift om luftdyktighet.

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**2002-020 REVISJON AV FLIGHT- OG MAINTENANCE MANUAL I HENHOLD TIL  
TECHNICAL BULLETIN No 8011**

**Påbudet gjelder:**

Rolladen-Schneider LS 8 modeller som beskrevet i vedlagte kopi av LBA AD 2002-082.

**Påbudet omfatter:**

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2002-082.

**Tid for utførelse:**

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2002-082, med virkning fra denne LDP's gyldighetsdato.

**Referanse:**

LBA AD 2002-082.

**Gyldighetsdato:**

2002-03-12.



**Airworthiness  
Directive  
2002-082**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: April 04, 2002**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider, Egelsbach, Germany  
Type: LS 8  
Models affected: LS 8-a and LS 8-18  
Serial numbers affected: all  
German Type Certificate No.: 402

**Subject:**

Exchange of pages into the Flight- and Maintenance Manual  
- various items updated (tow hook, annual inspection checklist)  
- optional trim by removal of tail fin battery

**Reason:**

For decrease of minimum cockpit load, the tail fin battery may be removed (up to now permanent installation only). If it is the only battery in use, it must be installed in the baggage compartment.

**Action:**

Exchange of pages into the Flight- and Maintenance Manual, exchange of cockpit data placard and enter all cockpit load variations into the Flight Manual in accordance with the instructions given in the manufacturers Technical Bulletin.

**Compliance:**

The action must be performed before the next annual inspection.

**Technical publication of the manufacturer:**

Rolladen-Schneider LS8-a/LS8-18 Technical Bulletin No. 8011 Edition 01.December 2001 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126 Fax: ++ 49 6103 45526  
e-mail: lsflug@aol.com

**Holders of affected aircraft registered in Germany have to observe the following:**

Action has to be accomplished by the owner of the aircraft or an approved service station and to be checked and entered in the log book by a licensed inspector.

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed.

An appeal to this notice may be raised within a period of one month following notification. Appeals are to be raised with the Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig, in writing or for the purpose of drawing up minutes.

Enquiries regarding this Airworthiness Directive should be referred to Mr.Olaf Schneider, 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!



Luftfartstilsynet  
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Postboks 8050 Dep., 0031Oslo  
Besøksadresse:  
Rådhusgata 2, Oslo  
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Telefax : 23 31 79 95  
e-post: postmottak@caa.dep.no

## LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER

ROLLADEN-  
SCHNEIDER - 28

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, kap. XV § 15-4 jf. kap. IV § 4-1 og Samferdselsdepartementets bemyndigelse av 25. mars 1994, fastsetter Luftfartstilsynet følgende forskrift om luftdyktighet.

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**2002-024      UTVIDELSE AV SERVICETID – I HENHOLD TIL TECHNICAL BULLETIN  
No 7015**

**Påbudet gjelder:**

Rolladen-Schneider LS 7 modeller som beskrevet i vedlagte kopi av LBA AD 2002-043.

**Påbudet omfatter:**

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD 2002-043.

**Tid for utførelse:**

Til de tider som er beskrevet i vedlagte kopi av LBA AD 2002-043, med virkning fra denne LDP's gyldighetsdato.

**Referanse:**

LBA AD 2002-043.

**Gyldighetsdato:**

2002-03-12.



**Airworthiness  
Directive  
2002-043**

**Lufffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

Effective Date: February 21, 2002

**Affected:**

Kind of aeronautical product:	Sailplane
Manufacturer:	Rolladen-Schneider, Egelsbach, Germany
Type:	LS 7
Models affected:	only LS 7-WL
Serial numbers affected:	all
German Type Certificate No.:	375

**Subject:**

Extension of the service time

**Reason:**

The results of fatigue tests (subsequently carried out on wing spar sections) have demonstrated that the time in service of GFRP sailplanes may be extended to 12000 hours, provided the airworthiness of each individual aircraft is evidenced by a special multi-stage inspection program, which is incorporated into the Maintenance Manual.

**Action:**

Perform an inspection according to the „Inspection program for extending the service time“ in accordance with the Technical Notes of the manufacturer.

**Compliance:**

The action must be performed before reaching a service time of 3000 flight hours.

**Technical publication of the manufacturer:**

Rolladen-Schneider LS 7-WL Technical Bulletin No. 7015 Edition 15. November 2001 which becomes herewith part of this AD and may be obtained from Messrs.:

Rolladen-Schneider  
Flugzeugbau GmbH  
Mühlstrasse 10

D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126  
Fax: ++ 49 6103 45526

**Holders of affected aircraft registered in Germany have to observe the following:**

Action to be accomplished by the owner of the aircraft or an approved service station and to be checked and entered in the log book by a licensed inspector.

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed.

An appeal to this notice may be raised within a period of one month following notification. Appeals must be submitted in writing or registered at the Lufffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig.

Luftfartstilsynet  
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Rådhusgata 2, Oslo  
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Telefax : 23 31 79 95  
e-post: postmottak@caa.dep.no

# LUFTDYKTIGHETSPÅBUD (LDP)

SEILFLY OG  
BALLONGER

ROLLADEN-  
SCHNEIDER - 29

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Med hjemmel i lov av 11. juni 1993 nr. 101 om luftfart, § 15-4 jf. § 4-1 og det vedtak om delegering av myndighet til Luftfartstilsynet av 10. desember 1999 nr. 1273

## 2004-025      OPPDATERING AV MAINTENANCE MANUAL OG FLIGHT MANUAL

### Påbudet gjelder:

Rolladen-Schneider LS 4 modeller som beskrevet i vedlagte kopi av LBA AD D-2004-001.

### Påbudet omfatter:

Utfør tiltak som beskrevet i vedlagte kopi av LBA AD D-2004-001.

### Tid for utførelse:

Til de tider som er beskrevet i vedlagte kopi av LBA AD D-2004-001, med virkning fra denne LDP's gyldighetsdato.

### Referanse:

LBA AD D-2004-001.

### Gyldighetsdato:

2004-04-13.



**Airworthiness  
Directive  
D-2004-001**

**Luffahrt-Bundesamt**  
Airworthiness Directive Section  
Hermann-Blenk-Str. 26  
38108 Braunschweig  
Federal Republic of Germany

**Rolladen-Schneider**

**Effective Date: January 08, 2004**

**Affected:**

Kind of aeronautical product: Sailplane  
Manufacturer: Rolladen-Schneider Flugzeugbau, Egelsbach, Germany  
Type: LS 4  
Models affected: LS 4-b  
Serial numbers affected: all  
German Type Certificate No.: 345

**Subject:**

Flight- and Maintenance Manual – Update/Exchange of pages into the Flight- and Maintenance Manual / Increase of structural life limit to max. 12000 flight hours

**Reason / Action:**

Update/Exchange of manual pages: a) by moving wing water ballast bags outward and reducing the maximum amount, the maximum weight of non-lifting parts can be increased, b) see Technical Bulletin No. 4047 for increase procedure and possible retrofit, c) increase of structural life limit to maximal 12000 hours. The action must be done in accordance with the instructions given in the Service Bulletin.

**Compliance:**

The actions must be performed until the next annual inspection but not later than April 30, 2004.

**Technical publication of the manufacturer:**

Rolladen-Schneider Technical Bulletin No. 4046 dated March 03, 2003 which becomes herewith part of this AD can be obtained from Messrs.:

Rolladen-Schneider Flugzeugbau GmbH  
Mühlstrasse 10  
D- 63329 Egelsbach  
Federal Republic of Germany  
Phone: ++ 49 6103 204126 Fax: ++ 49 6103 45526  
e-mail: lsflug@aol.com

**Holders of affected aircraft registered in Germany have to observe the following:**

Action has to be accomplished by the owner of the aircraft or an approved service station and to be checked and entered in the log book by a licensed inspector.

As a result of the a.m. deficiencies, the airworthiness of the aircraft is affected to such an extent that after the expiry of the a.m. dates the aircraft may be operated only after proper accomplishment of the prescribed actions. In the interest of aviation safety outweighing the interest of the receiver in a postponement of the prescribed actions, the immediate compliance with this AD is to be directed.

An appeal to this notice may be raised within a period of one month following notification. Appeals are to be raised with the Luffahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig, in writing or for the purpose of drawing up minutes.

**EASA-Approval**

Approved by EASA under Approval-No. 2004-43 on January 08, 2004.

**Datum der Bekanntgabe: 08.01.2004**

**Muster:** Rolladen-Schneider  
LS 4

**AD der ausländischen Behörde:**  
-keine-

**Geräte-Nr.:**  
345

**Technische Mitteilungen des Herstellers:**  
Rolladen-Schneider Technische Mitteilung No. 4046 vom  
03.03.2003

**Betroffenes Luftfahrtgerät:**

Rolladen-Schneider  
LS 4

- Baureihen: LS 4-b

- Werk-Nrn.: alle

**Betrifft:**

Flug- und Wartungshandbuch

- Austausch / Ergänzung von Seiten im Flug- und Wartungshandbuch
- Erhöhung der Lebensdauer auf maximal 12000 Flugstunden

**Maßnahmen:**

Im Rahmen der Durchführung dieser Lufttüchtigkeitsanweisung sind folgende Maßnahmen vorgesehen:  
Austausch und Ergänzung von Blättern im Flug- und Wartungshandbuch gemäß den Angaben der Technischen Mitteilung.

**Fristen:**

Durchführung der Maßnahmen bei der kommenden Jahresnachprüfung, spätestens jedoch bis zum 30.04.2004.

**EASA-Approval:**

Der Inhalt dieser Lufttüchtigkeitsanweisung ist von der EASA geprüft und mit Approval-No.: 2004-43 am 08.01.2004.

Durch die vorgenannten Mängel ist die Lufttüchtigkeit des Luftfahrtgerätes derart beeinträchtigt, daß es nach Ablauf der genannten Fristen nur in Betrieb genommen werden darf, wenn die angeordneten Maßnahmen ordnungsgemäß durchgeführt worden sind. Im Interesse der Sicherheit des Luftverkehrs, das in diesem Fall das Interesse des Adressaten am Aufschub der angeordneten Maßnahmen überwiegt, ist es erforderlich, die sofortige Vollziehung dieser LTA anzuordnen.

**Rechtsbehelfsbelehrung:**

Gegen diese Verfügung kann innerhalb eines Monats nach Bekanntgabe Widerspruch eingelegt werden. Der Widerspruch ist schriftlich oder zur Niederschrift beim Luftfahrt-Bundesamt, Hermann-Blenk-Str. 26, 38108 Braunschweig einzulegen.

*LTA's werden auch im Internet unter <http://www.lba.de> publiziert*

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