

**PERMIT TO FLY**  
FOR PROTOTYPE GLIDERS IN  
PARAGLIDING WORLD CUP EVENTS



**1. Manufacturer**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

Represented by: \_\_\_\_\_

*allows the following pilot:*

Pilot Name: \_\_\_\_\_

Pilot Email: \_\_\_\_\_

World Cup Pilot number: \_\_\_\_\_

*to fly the following prototype glider:*

Glider model name: \_\_\_\_\_

Size and colors: \_\_\_\_\_

Serial Number: \_\_\_\_\_

**2. Glider maintenance**

- maximum interval between line change: \_\_\_\_\_
- date of last line change: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- date of next line change: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- maximum full glider control interval: \_\_\_\_\_
- date of last full glider control: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
- date of next full glider control: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

### 3. Line technical specifications

	Main lines	Middle lines (1)	Middle lines (2)	Top lines (3)
Line manufacturer				
Line model				
Diameter [mm]				
Breaking strength min. unsewn [daN]				
Strength after 5000 bending cycles [daN]				
Material core				
Material sheath				

### 4. Breaking Strength verification

#### 4.1 Mainlines, gliders with 4 and / or 5 mainline levels

Number of A- mainlines	Number of B- mainlines	Number of A+B mainlines	Total lines (A+B) x Line strength. <sup>1</sup> >8 x max. Start weight. and > 800 kg	
Number of C- mainlines	Number of D- mainlines	Number of E- mainlines	Number of C+D+E mainlines	Total lines C+D+E x Line strength <sup>1</sup> >6 x max. Start weight. and > 600 kg

<sup>1</sup> Line strength after bending cycles [daN]

4.2 Mainlines, gliders with 3 mainline levels

<b>Number of A-mainlines</b>	<b>Number of B-mainlines</b>	<b>Number of A+B mainlines</b>	<b>Total lines (A+B) x Line strength.<sup>1</sup> &gt;10 x max. Start weight. and &gt; 1000 kg</b>
	<b>Number of C-mainlines</b>		<b>Total lines C x Line strength<sup>1</sup> &gt;4 x max. Start weight. and &gt; 400 kg</b>

<sup>1</sup> Line strength after bending cycles [daN]

4.3 Verification of line strength for gallery lines

	<b>Number <sup>2</sup> of lines x line strength per gallery level &gt; line strength of the corresponding main line</b>			
	<b>Main line</b>	<b>1st Gallery</b>	<b>2nd Gallery</b>	<b>3rd Gallery</b>
<b>A-Lines</b>				
<b>B-Lines</b>				
<b>C-Lines</b>				
<b>D-Lines</b>				

<sup>2</sup> Should the stabiliser line belong to this line set then it is to be included here (when of the same material and line diameter).

## 5. Production tolerances

Points listed above under line specifications must remain constant throughout production. In addition, the following details must also remain constant:

- Line construction
- Number of core braids
- Number of sheath braids
- Core weave and braid lengths
- Sheath weave and braid lengths
- Mechanical/chemical surface treatment

Should tolerance deviations be noted due to other parameters, these must be documented on a separate page and added to this form.

We the manufacturer confirm that the glider has been built in accordance with the line specifications given above. We the manufacturer are not aware of any circumstances that might adversely affect the airworthiness of this glider.

This "Permit to fly" has been issued on:     /     /     and will expire on:     /     /

\_\_\_\_\_  
Pilot Signature

\_\_\_\_\_  
Manufacturer Signature and Stamp

Revision 3, Date 27/02/2006