

<b>TEST REPORT</b>		EXIGA Didier	Date	12-déc-06	
<b>MANUFACTORY</b>	AXIS PARA	<b>MODEL</b>	VEGA	<b>SIZE</b>	S
<b>Procédure</b>	Poids max	<b>Weight in flight</b>	95 kg		
<b>HARNAIS</b>	SUP AIR	<b>TYPE</b>	abs	VENTRAL	42 cm

### Measurements and possible ranges

- 1 Rising behaviour  
Smooth, easy and constant rising A
- 2 Special take off technique  
No A

### Measurements and possible ranges in the landing test

- Special landing technique required  
No A

### Measurements and possible ranges in the speeds in straight flight test

- Measurement and ranges
- 1 Trim speed more than 30 km/h  
Yes A
- 2 Speed range using the controls larger than 10 km/h  
Yes A
- 3 Minimum  
Less than 25 km/h A

### Classification of a paraglider's behaviour in the control movement test

- Max weight in up to 80 kg
- Max weight in 80 to 100 kg  
increasing greater than 60 cm A
- Max weight in greater than 100 kg

### Classification of a paraglider's behaviour in the pitch stability exiting accelerated flight test

- 1 Dive forward angle on exit  
Dive forward less than 30° A
- 2 Collapse occurs  
No A

### Classification of a paraglider's behaviour in the pitch stability operating controls during accelerated flight test

- Collapse occurs  
No A

### Classification of a paraglider's behaviour in the roll stability and damping test

- Oscillations  
Reducing A

### Classification of a paraglider's behaviour in the stability in gentle spirals test

- Tendency to return to straight flight  
Spontaneous exit A

### Classification of a paraglider's behaviour in the behaviour in a steeply banked turn test

- Sink rate after two turns  
12 to 14 m/s A

### Classification of a paraglider's behaviour in the symmetric front collapse test

- Entry  
Rocking back less than 45° A
- Recovery  
Spontaneous in less than 3 s A
- Dive forward angle on exit  
Dive forward 0° to 30° Entering a turn of less than 90° A
- Cascade occurs  
No A

### Classification of a paraglider's behaviour in the symmetric front collapse test accelerated

Entry	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30° Entering a turn of less than 90°	A
Cascade occurs	No	A

#### **Classification of a paraglider's behaviour in the exiting deep stall (parachutal stall) test**

1 Deep stall achieved	Yes	A
2 Recovery	Spontaneous in less than 3 s	A
3 Dive forward angle on exit	Dive forward 0° to 30°	A
4 Change of course	Changing course less than 45°	A
5 Cascade	No	A

#### **Classification of a paraglider's behaviour in the high angle of attack recovery test**

1 Recovery	Spontaneous in less than	A
2 Cascade	No	A

#### **Classification of a paraglider's behaviour in the full stall test**

1 Dive forward angle on exit	Dive forward 0 et 30°	A
2 Collapse	No collapse	A
3 Cascade occurs (other than collapses)	No	A
4 Rocking back	Less than 45°	A
5 Line tension	Most lines tight	A

#### **Classification of a paraglider's behaviour in the asymmetric collapse test to 50%**

Change of course until re-inflation	Less then 90° Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

#### **Classification of a paraglider's behaviour in the asymmetric collapse test to 50% full speed**

Change of course until re-inflation	90° to 180° Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A

Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

**Classification of a paraglider's behaviour in the asymmetric collapse test 75%**

Change of course until re-inflation	Less than 90° Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

**Classification of a paraglider's behaviour in the asymmetric collapse test 75% full speed**

Change of course until re-inflation	90° to 180° Dive or roll angle 15° to 45°	B
Re-inflation behaviour	Spontaneous re-inflation	A
Total change of course	Less than 360°	A
Collapse on the opposite side occurs	No	A
Twist occurs	No	A
Cascade occurs	No	A

**Measurements and possible ranges in the directional control with a maintained**

1 Able to keep course	Yes	A
2 180° turn away from the collapsed side possible in 10 s	Yes	A
3 Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A

**Measurements and possible ranges in the trim speed spin tendency test**

Spin occurs	No	A
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**Measurements and possible ranges in the low speed spin tendency test**

Spin occurs	No	A
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**Classification of a paraglider's behaviour in the recovery from a developed spin test**

1 Spin rotation angle after release	Stops spinning in less than 90°	A
2 Cascade	No	A

**Classification of a paraglider's behaviour in the B-line stall test**

1 Change of course before release	Changing course less than 45°	A
2 Behaviour before release		

3 Recovery	Remains stable with straight span	A
4 Dive forward angle on exit	Spontaneous in less than 3 s	A
5 Cascade occurs	Dive forward 0° to 30°	A
	No	A

**Classification of a paraglider's behaviour in the big ears test**

1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Spontaneous in 3 s to 5 s	B
4 Dive forward angle on exit	Dive forward 0° to 30°	A

**Classification of a paraglider's behaviour in the big ears in accelerated flight test**

1 Entry procedure	Dedicated controls	A
2 Behaviour during big ears	Stable flight	A
3 Recovery	Recovery through pilot action in less than a further 3 s	B
4 Dive forward angle on exit	Dive forward 0° to 30°	A
5 Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A

**Classification of a paraglider's behaviour in the behaviour exiting a steep spiral test**

1 Tendency to return to straight flight	Spontaneous exit	A
2 Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A

**Classification of a paraglider's behaviour in the alternative means of directional control test**

1 180° turn achievable in 20 s	Yes	A
2 Stall or spin occurs	No	A

**Classification of a paraglider's behaviour when testing any other flight procedure and/or**

1 Procedure works as described		
2 Procedure suitable for novice pilots		
3 Cascade		