

TESTREPORT EN926-2:2005

UP K2 3 ML

Inflation/take-off

Type designation UP K2 3 ML

Type test reference no DHV GS-01-2068-13

Holder of certification UP International GmbH

Manufacturer UP International GmbH

Classification B

Winch towing Yes

Number of seats min / max 2/2

Accelerator No

Trimmers Yes



BEHAVIOUR AT MIN WEIGHT IN BEHAVIOUR AT MAX WEIGHT IN FLIGHT (230KG)

FLIGHT (140KG)

Test pilots



Beni Stocker



Rising behaviour Smooth, easy and constant rising

Special take off technique required No

Smooth, easy and constant rising

Nο

Landing A

Special landing technique required No

Yes

Speeds in straight flight A

Trim speed more than 30 km/h Yes

Speed range using the controls larger than 10 Yes

km/h

Minimum speed Less than 25 km/h

Less than 25 km/h

Control movement _____

Symmetric control pressure Increasing

Symmetric control travel Greater than 65 cm

Increasing

Greater than 65 cm

Pitch stability exiting accelerated flight

Not carried out because the glider is not equipped with an accelerator

Pitch stability operating controls during accelerated flight

Not carried out because the glider is not equipped with an accelerator

Roll stability and damping

Oscillations Reducing

Reducing

Stability in gentle spirals

Spontaneous exit

Behaviour in a steeply banked turn 🄱



Tendency to return to straight flight Spontaneous exit

Sink rate after two turns Up to 12 m/s

Symmetric front collapse A

Entry Rocking back less than 45°

Recovery Spontaneous in less than 3 s

Dive forward angle on exit Dive forward 0° to 30° Change of course Keeping course

Rocking back less than 45° Spontaneous in less than 3 s Dive forward 30° to 60° Keeping course

Not carried out because the glider is not equip	pped with an accelerator	
vot carried out because the ghack is not equip		
Exiting deep stall (parachutal stall)	A	В
Deep stall act	nieved Yes	Yes
Recovery Spontaneous in less than 3 s		Spontaneous in less than 3 s
Dive forward angle on exit Dive forward 0° to 30°		Dive forward 30° to 60°
Change of course Changing course less than 45°		Changing course less than 45°
Cascade o	occurs No	No
ligh angle of attack recovery	A	A
Rec	covery Spontaneous in less than 3 s	Spontaneous in less than 3 s
Cascade		No
ecovery from a developed full stall	A	В
	on exit Dive forward 0° to 30°	Dive forward 30° to 60°
	ollapse No collapse	No collapse
	-	No conapse No
Cascade occurs (other than colla	g back Less than 45°	Greater than 45°
Line to	ension Most lines tight	Most lines tight
Asymmetric collapse 45-50%	A	В
Change of course until re-inf	flation Less than 90°	90° to 180°
Maximum dive forward or roll	angle Dive or roll angle 15° to 45°	Dive or roll angle 15° to 45°
Re-inflation beha	aviour Spontaneous re-inflation	Spontaneous re-inflation
Total change of o	course Less than 360°	Less than 360°
Collapse on the opposite side of	occurs No	No
Twist	occurs No	No
Cascade o	occurs No	No
Asymmetric collapse 70-75%	В	В
Change of course until re-inf	i	90° to 180°
_	angle Dive or roll angle 15° to 45°	Dive or roll angle 15° to 45°
	aviour Spontaneous re-inflation	Spontaneous re-inflation
	course Less than 360°	Less than 360°
Collapse on the opposite side of		No
	occurs No	No
Cascade o		No
Asymmetric collapse 45-50% in accelera	tod flight	
Not carried out because the glider is not equi		
Asymmetric collapse 70-75% in accelera		
Not carried out because the glider is not equip	pped with an accelerator	
Directional control with a maintained asymmetric collapse	A	A
Able to keep o	course Yes	Yes
180° turn away from the collapse		Yes
possible i		
	rn and More than 50 % of the symmetric coor spin travel	ontrol More than 50 % of the symme control travel
Trim anod onin tondonov	i a	i a
Frim speed spin tendency	A occurs No	¦ A No
Spin o	DCCUIS INC	INU
Low speed spin tendency	A	A
Spin	occurs No	No
Recovery from a developed spin	ta.	i.
	¦ A	:A

	fter release Stops spinning in less than 90° cade occurs No	Stops spinning in less than 90° No
B-line stall	A	A
Change of course bef	ore release Changing course less than 45°	Changing course less than 45°
Behaviour bef	ore release Remains stable with straight span	Remains stable with straight span
	Recovery Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on exit Dive forward 0° to 30°		Dive forward 0° to 30°
Caso	cade occurs No	No
Big ears	В	A
Entry	procedure Dedicated controls	Dedicated controls
Behaviour duri	ng big ears Stable flight	Stable flight
	Recovery Spontaneous in 3 s to 5 s	Spontaneous in less than 3 s
Dive forward ar	ngle on exit Dive forward 0° to 30°	Dive forward 0° to 30°
Big ears in accelerated flight		
Not carried out because the glider is not	t equipped with an accelerator	
Behaviour exiting a steep spiral	A	A
Tendency to return to str	raight flight Spontaneous exit	Spontaneous exit
Turn angle to recover normal flight Less than 720°, spontaneous recovery		Less than 720°, spontaneous recovery
Sink rate when evaluating spiral stability 14 [m/s]		14
Alternative means of directional cor	ntrol A	A
180° turn achievable in 20 s Yes		Yes
Stall or spin occurs No		No
Any other flight procedure and/or c	onfiguration described in the user's manual	

No other flight procedure or configuration described in the user's manual