



BEHAVIOUR AT MAX WEIGHT

IN FLIGHT (90KG)

DHV TESTREPORT EN 926-2:2013+A1:2021

UP KIBO X S

Type designation UP Kibo X S

Type test reference no DHV GS-01-2886-24

Holder of certification UP International GmbH Manufacturer UP International GmbH

Classification B

Winch towing Yes

Number of seats min / max 1/1

Accelerator Yes Trimmers No

BEHAVIOUR AT MIN WEIGHT IN

FLIGHT (70KG)

Test pilots





Josef Bauer Beni Stocker No release No release Inflation/take-off Α Α _____ Rising behaviour Smooth, easy and constant rising Smooth, easy and constant rising Special take off technique required No No Landing Α Special landing technique required No No Speeds in straight flight Α Trim speed more than 30 km/h Yes Yes Speed range using the controls larger than 10 km/h Yes Yes

	Minimum speed Less than 25 km/h	Less than 25 km/h
Control movement	A	A
	Symmetric control pressure Increasing	Increasing
	Symmetric control travel Greater than 55 cm	Greater than 60 cm

Pitch stability exiting accelerated flight	A	A
Dive forward angle on exit	: Dive forward less than 30°	Dive forward less than 30°
Collapse occurs	s No	No

A	A
curs No	No
A	A
	A curs No

	Oscillations Reducing	Reducing
Stability in gentle spirals	A	A

Tendency to return to straight flight Spontaneous exit	Spontaneous exit
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Behaviour exiting a fully developed spiral dive	A
Initial response of glider (first 180°) Immediate redu	ction of rate of turn

Tendency to return to straight flight Spontaneous exit (g force decreasing, rate of Spontaneous exit (g force decreasing, rate of turn decreasing) turn decreasing)

I U	rn angle to recover norma	i filght Less than 720	, spontaneous recovery	Less than 720°, spontaneous reco	overy

Symmetric front collapse	A	A
Entr	y Rocking back less than 45°	Rocking back less than 45°
Recover	y Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on exi	t Dive forward 0° to 30°	Dive forward 0° to 30°
Change of course	e Keeping course	Entering a turn of less than 90°

Cascade occurs No	No
Folding lines used no	no

Unaccelerated collapse (at least 50 % chord) Entry Rocking back less than 45° Rocking back less than 45° **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° Change of course Keeping course Entering a turn of less than 90° Cascade occurs No Folding lines used no no В Accelerated collapse (at least 50 % chord) Entry Rocking back less than 45° Rocking back less than 45° 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 Keeping course Entering a turn of less than 90° Cascade occurs No Folding lines used no nο Exiting deep stall (parachutal stall) Deep stall achieved 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 0° to 30° Change of course Changing course less than 45° Changing course less than 45° Cascade occurs No High angle of attack recovery **Recovery** Spontaneous in less than 3 s Spontaneous in less than 3 s Cascade occurs No No Recovery from a developed full stall A Dive forward angle on exit Dive forward 0° to 30° Dive forward 0° to 30° Collapse No collapse No collapse Cascade occurs (other than collapses) No Rocking back Less than 45° Less than 45° Line tension Most lines tight Most lines tight Small asymmetric collapse Change of course until re-inflation Less than 90° Less than 90° Maximum dive forward or roll angle Dive or roll angle 15° to 45° Dive or roll angle 15° to 45° Re-inflation behaviour Spontaneous re-inflation Spontaneous re-inflation Total change of course Less than 360° Less than 360° Collapse on the opposite side occurs No (or only a small number of collapsed cells No (or only a small number of collapsed with a spontaneous re inflation) cells with a spontaneous re inflation) Twist occurs No Cascade occurs No Nο Folding lines used no no <u>Large asymmetric collapse</u> В В Change of course until re-inflation 90° to 180° 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 behaviour** Spontaneous re-inflation Spontaneous re-inflation Total change of course Less than 360° Less than 360° Collapse on the opposite side occurs No (or only a small number of collapsed cells No (or only a small number of collapsed with a spontaneous re inflation) cells with a spontaneous re inflation) Twist occurs No Nο Cascade occurs No No Folding lines used no no Small asymmetric collapse accelerated Change of course until re-inflation Less than 90° Less than 90° Maximum dive forward or roll angle Dive or roll angle 15° to 45° Dive or roll angle 15° to 45° Re-inflation behaviour Spontaneous re-inflation Spontaneous re-inflation Total change of course Less than 360° Less than 360° Collapse on the opposite side occurs No (or only a small number of collapsed cells No (or only a small number of collapsed

with a spontaneous re inflation) cells with a spontaneous re inflation)

Twist occurs No

Cascade occurs No

No

Folding lines used no

no

1 90° to 180° 2 Dive or roll angle 15° to 45°	90° to 180° Dive or roll angle 15° to 45°
Dive or roll angle 15° to 45°	Dive or roll angle 15° to 45°
Consider the Constant of the C	
r Spontaneous re-inflation	Spontaneous re-inflation
Less than 360°	Less than 360°
No (or only a small number of collapsed cells with a spontaneous re inflation)	No (or only a small number of collapsed cells with a spontaneous re inflation)
s No	No
s No	No
I no	no
Α	A
e Yes	Yes
	Yes
r More than 50 % of the symmetric control	More than 50 % of the symmetric control travel
A	A
5 No	No
A	A
5 No	No
В	A
Stone eninning in 000 to 1900	Stops spinning in less than 90°
	No
	NO
A	A
Changing course less than 45°	Changing course less than 45°
	Remains stable with straight span
Spontaneous in less than 3 s	Spontaneous in less than 3 s
t Dive forward 0° to 30°	Dive forward 0° to 30°
s No	No
A	A
Standard technique	Dedicated controls
	Stable flight
_	Spontaneous in less than 3 s
•	Dive forward 0° to 30°
A	A
Standard technique	Dedicated controls
	Stable flight
_	Spontaneous in less than 3 s
•	Dive forward 0° to 30°
Stable flight	Stable flight
A	A
Yes	Yes
	No
	A a Yes 1 Yes 1 Yes 2 Yes 1 Yes 2 Yes 1 Yes 3 No A 5 No A 6 Stops spinning in 90° to 180° 5 No A 6 Changing course less than 45° 6 Remains stable with straight span 7 Spontaneous in less than 3 s 1 Dive forward 0° to 30° 5 No A 6 Stable flight 7 Spontaneous in less than 3 s 1 Dive forward 0° to 30°

Any other flight procedure and/or configuration described in the user's manual

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