Deutscher Hängegleiterverband e.V. Home | Contact | Imprint | Data protection DHV-tested Equipment Flying Equipment Database Manufacturers / Dealers

Flying Schools

Clubs

UP RIMO SM		
Type designation	UP Rimo SM	
Type test reference no	DHV GS-01-2623-21	and the second se
Holder of certification	UP International GmbH	
	UP International GmbH	
Classification		and the second second
Winch towing		
Number of seats min / max		
Accelerator		Aller and a state and a state of the state o
Accelerator		
Irimmers		
Test pilots	BEHAVIOUR AT MIN WEIGHT IN FLIGHT (70KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (105KG)
	Beni Stocker	Sebastian Mackrodt
	No release	No release
Inflation/take-off	Α	Α
Dicing hebaviour	r Smooth, easy and constant rising	Smooth, easy and constant rising
Special take off technique required	. ,	No
Special take off technique required	NO	NO
	1.	1.
.anding	A	<u> </u> A
Special landing technique required	No	No
Speeds in straight flight	Α	A
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	in .	A
		- <u>i</u>
Symmetric control pressure	-	Increasing
Symmetric control trave	Greater than 55 cm	Greater than 65 cm
Pitch stability exiting accelerated flight	A	Α
Dive forward angle on exit	t Dive forward less than 30°	Dive forward less than 30°
Collapse occurs		No
Pitch stability operating controls during		1
accelerated flight	Α	Α
Collapse occurs		No
conapse occurs		NO .
Roll stability and damping	A	A
· · · · · · · · · · · · · · · · · · ·	. <u>.</u>	- <u>à</u>
Oscillations	Reducing	Reducing
Stability in gentle spirals	Α	Α
Tendency to return to straight flight	t Spontaneous exit	Spontaneous exit
·, ·· ··· ··· ··· ··· ··· ··· ··· ··· ·		
Behaviour exiting a fully developed spiral dive	Α	Α
Initial response of glider (first 180°)	Immediate reduction of rate of turn	Immediate reduction of rate of turn
Tendency to return to straight flight		Spontaneous exit (g force
rendency to return to straight flight	rate of turn decreasing)	decreasing, rate of turn decreasing)
Turn angle to recover normal flight	t Less than 720°, spontaneous recovery	Less than 720°, spontaneous recovery
Summer the french of the sec	i.	
Symmetric front collapse	A	A
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°
Change of course		Keeping course
Cascade occurs		No
Folding lines used		no
Unaccelerated collapse (at least 50 % chord)	4	<b>A</b>
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°
5	Entering a turn of less than 90°	Keeping course
Cascade occurs		No
Folding lines used	no	no
Accelerated collapse (at least 50 % chord)	Α	A
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	t Dive forward 0° to 30°	Dive forward 0° to 30°
Change of course	Entering a turn of less than 90°	Keeping course
Cascade occurs	No	No
Folding lines used	l no	no
Exiting deep stall (parachutal stall)	<u>¦A</u>	<b>A</b>
Deep stall achieved		Yes Spontaneous in less than 3 s
-	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on exit	Changing course less than 45°	Dive forward 0° to 30° Changing course less than 45°
Change of course Cascade occurs	5 5	Changing course less than 45° No
High angle of attack recovery	A	A
Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Cascade occurs	No	No
	1.	1-
Recovery from a developed full stall	A	<u> A</u>
Dive forward angle on exit		Dive forward 0° to 30°
	No collapse	No collapse
Cascade occurs (other than collapses)		No
_	Less than 45°	Less than 45°
Line tension	Most lines tight	Most lines tight
Enc (choin	-	
Small asymmetric collapse	A	A
Small asymmetric collapse	i	.ż
Small asymmetric collapse Change of course until re-inflation	Less than 90°	Less than 90°
Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle	i Less than 90° Dive or roll angle 0° to 15°	Less than 90° Dive or roll angle 15° to 45°
Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour	i Less than 90° Dive or roll angle 0° to 15° Spontaneous re-inflation	Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation
Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course	Less than 90° Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360°	Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360°
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Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs	Less than 90° Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation)	Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation)
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Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs	<ul> <li>Less than 90°</li> <li>Less than 90°</li> <li>Dive or roll angle 0° to 15°</li> <li>Spontaneous re-inflation</li> <li>Less than 360°</li> <li>No (or only a small number of collapsed cells with a spontaneous re inflation)</li> <li>No</li> <li>No</li> </ul>	Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No
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Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs Cascade occurs Folding lines used Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs Cascade occurs Folding lines used Collapse on the opposite side occurs Cascade occurs Folding lines used Small asymmetric collapse accelerated Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course	Less than 90° Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No No No No Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) A Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No No Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) Soft and the spontaneous re inflation Eless than 360° No (or only a small number of collapsed cells with a spontaneous re inflation Eless than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No	Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No No no <b>A</b> Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No No no <b>A</b> Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous No No No No roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous
Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs Cascade occurs Folding lines used Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs Cascade occurs Folding lines used Change of the opposite side occurs Cascade occurs Cascade occurs Collapse on the opposite side occurs Folding lines used Small asymmetric collapse accelerated Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour Total change of course Collapse on the opposite side occurs Cascade occurs Folding lines used	Less than 90° Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No No No No Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) A Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) A Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No I no A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No (or only a small number of collapsed cells with a spontaneous re inflation) No No No No No No	Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No No no <b>A</b> Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No No no <b>A</b> Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation) No No 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) No

Change of course until up inflation	Loss than 000	Loss than 000
Change of course until re-inflation Maximum dive forward or roll angle		Less than 90°
-	5	Dive or roll angle 15° to 45°
	r Spontaneous re-inflation	Spontaneous re-inflation
Total change of course		Less than 360°
Collapse on the opposite side occurs	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)
Twist occurs	s No	No
Cascade occurs	s No	No
Folding lines used	no	no
Directional control with a maintained asymmetric collapse	A	A
Able to keep course	Уес	Yes
180° turn away from the collapsed side possible in 10 s	Yes	Yes
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control	More than 50 % of the symmetric control travel
Trim speed spin tendency	A	A
Spin occurs	s No	No
Low speed spin tendency	A	A
Spin occurs	s No	No
Recovery from a developed spin	Α	Α
Spin rotation angle after release	e Stops spinning in less than 90°	Stops spinning in less than 90°
Cascade occurs	s No	No
B-line stall	A	A
Change of course before release	Changing course less than 45°	Changing course less than 45°
Behaviour before 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	t Dive forward 0° to 30°	Dive forward 0° to 30°
Cascade occurs	s No	No
Big ears	A	A
Entry procedure	Dedicated controls	Dedicated controls
Behaviour during big ears		Stable flight
	Spontaneous in less than 3 s	Spontaneous in less than 3 s
		1
Dive forward angle on exit	t Dive forward 0° to 30°	Dive forward 0° to 30°
Dive forward angle on exit	t Dive forward 0° to 30°	Dive forward 0° to 30°
Dive forward angle on exit	A	1
Dive forward angle on exit Big ears in accelerated flight Entry procedure	A Dedicated controls	A
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears	A Dedicated controls	A Dedicated controls
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears	A Dedicated controls Stable flight Spontaneous in less than 3 s	A Dedicated controls Stable flight
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery	A Dedicated controls Stable flight / Spontaneous in less than 3 s t Dive forward 0° to 30° Stable flight	A Dedicated controls Stable flight Spontaneous in less than 3 s
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears	A Dedicated controls Stable flight / Spontaneous in less than 3 s t Dive forward 0° to 30° Stable flight	A Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears	A Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	A Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears	A Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes	A Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight

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