DHV TESTREPORT LTF DHV TESTREPORT EN DATASHEET PARTS LIST

OPERATING INSTRUCTION

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



Type designation Type test reference no Holder of certification	DHV GS-01-2757-23 UP International GmbH	
Classification		
Winch towing Number of seats min / max Accelerator	1 / 1	A
Trimmers	No BEHAVIOUR AT MIN WEIGHT IN FLIGHT (80KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (130KG
Test pilots		
		25
	Josef Bauer	Mario Eder
<u>Inflation/take-off</u>	No release A	No release
Rising behaviour Special take off technique required	Smooth, easy and constant rising No	Smooth, easy and constant rising No
Landing Special landing technique required	A	A
	Α	A
Trim speed more than 30 km/h Speed range using the controls larger than 10 km/h		Yes Yes
	Less than 25 km/h	Less than 25 km/h
<u>Control movement</u> Symmetric control pressure Symmetric control travel	-	A Increasing Greater than 65 cm
Pitch stability exiting accelerated flight	Α	Α
Dive forward angle on exit Collapse occurs		Dive forward less than 30° No
accelerated flight	Α	Α
Collapse occurs Roll stability and damping	No	No
Oscillations	Reducing	Reducing
<u>Stability in gentle spirals</u> Tendency to return to straight flight	A Spontaneous exit	A Spontaneous exit
Behaviour exiting a fully developed spiral dive Initial response of glider (first 180°)	•	A Immediate reduction of rate of tu
Tendency to return to straight flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	Spontaneous exit (g force decreasing, rate of turn decreasing Less than 720°, spontaneous
Turn angle to recover normal flight		recovery
Entry	A Rocking back less than 45° Spontaneous in less than 3 s	A Rocking back less than 45° Spontaneous in less than 3 s
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Dive forward 0° to 30° Keeping course
Cascade occurs Folding lines used	-	No no
-	Rocking back less than 45°	A Rocking back less than 45°
Recovery Dive forward angle on exit Change of course		Spontaneous in less than 3 s Dive forward 0° to 30° Keeping course
Cascade occurs Folding lines used	No	No
· · · · · · · · · · · · · · · · · · ·	A Rocking back less than 45°	A Rocking back less than 45°
-	Spontaneous in less than 3 s	Spontaneous in less than 3 s Dive forward 0° to 30°
Change of course Cascade occurs Folding lines used	No	Keeping course No no
-	A	A
	Spontaneous in less than 3 s	Yes Spontaneous in less than 3 s
Dive forward angle on exit Change of course Cascade occurs	Changing course less than 45°	Dive forward 0° to 30° Changing course less than 45° No
	Α	A
Recovery Cascade occurs	Spontaneous in less than 3 s No	Spontaneous in less than 3 s No
<u>Recovery from a developed full stall</u> Dive forward angle on exit	A Dive forward 0° to 30°	A Dive forward 0° to 30°
Collapse Cascade occurs (other than collapses) Rocking back		No collapse No Less than 45°
Line tension	Most lines tight	Most lines tight
Small asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle		A Less than 90° Dive or roll angle 0° to 15°
Re-inflation behaviour Total change of course	Spontaneous re-inflation Less than 360°	Spontaneous re-inflation Less than 360°
Collapse on the opposite side occurs	cells with a spontaneous re inflation)	No (or only a small number of collapsed cells with a spontaneous re inflation)
Twist occurs Cascade occurs Folding lines used	No	No No no
Large asymmetric collapse	Α	Α
Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour	Dive or roll angle 15° to 45°	Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation
Total change of course Collapse on the opposite side occurs	Less than 360° No (or only a small number of collapsed	Less than 360° No (or only a small number of
Twist occurs	cells with a spontaneous re inflation) No	collapsed cells with a spontaneous re inflation) No
Cascade occurs Folding lines used		No no
Change of course until re-inflation		A Less than 90°
Maximum dive forward or roll angle Re-inflation behaviour Total change of course	Spontaneous re-inflation	Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360°
Total change of course Collapse on the opposite side occurs		Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation)
Twist occurs Cascade occurs	No	No No
Folding lines used	no	no
Change of course until re-inflation Maximum dive forward or roll angle	Less than 90°	Less than 90° Dive or roll angle 0° to 15°
Re-inflation behaviour Total change of course Collapse on the opposite side occurs	Spontaneous re-inflation Less than 360°	Spontaneous re-inflation Less than 360° No (or only a small number of
	cells with a spontaneous re inflation)	collapsed cells with a spontaneous re inflation)
Twist occurs Cascade occurs Folding lines used	No	No No no
Directional control with a maintained	Α	Α
Able to keep course 180° turn away from the collapsed side	Yes	Yes Yes
possible in 10 s Amount of control range between turn and stall or spin	More than 50 % of the symmetric contro	l More than 50 % of the symmetric control travel
///	A	A
Spin occurs Low speed spin tendency	No	No
Spin occurs	No	No
Pecovoru from a de la	A Stops spinning in less than 90°	A Stops spinning in less than 90° No
Spin rotation angle after release		
Spin rotation angle after release Cascade occurs		Α
Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release	No A Changing course less than 45° Remains stable with straight span	Changing course less than 45° Remains stable with straight span
Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release	No A Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30°	Changing course less than 45°
Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs	No A Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No
Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs Big ears Entry procedure Behaviour during big ears	No A Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight
Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	No A Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°
Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Big ears in accelerated flight	No A Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Standard technique Standard technique	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Standard technique
Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	No A Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°
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Spin rotation angle after release Cascade occurs B-line stall Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour during big ears Recovery Dive forward angle on exit	No A Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Yes	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s Dive forward 0° to 30° No A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°