DHV TESTREPORT LTF DHV TESTREPORT EN

PARTS LIST OPERATING INSTRUCTION

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

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GIN CALYPSO 2 XXS	
Type designation GIN Calypso 2 XXS	and the second sec
Type test reference no DHV GS-01-2903-24	-3/-5
Holder of certification GIN Gliders Inc.	-3
Manufacturer GIN Gliders Inc.	
Classification B	E
Winch towing Yes	
Number of seats min / max 1 / 1	and the second sec
Accelerator Yes	and the second s
Trimmers No	

DATASHEET



	ALC: NOT THE REAL PROPERTY OF
BEHAVIOUR AT MIN WEIGHT IN FLIGHT (55KG)	N BEHAVIOUR WEIGHT IN F
Test pilots	Beni Stocker
Expert Harald Buntz	



Pitch	stability	exiting	accelerated	flight	Α

Pitch stability exiting accelerated flight	Α	Α
Dive forward angle on exit Collapse occurs		Dive forward less than 30° No
<u>Pitch stability operating controls during</u> accelerated flight	Α	Α
Collapse occurs	No	No
,,,,,,,	A	A
Oscillations Stability in gentle spirals	A	Reducing
Tendency to return to straight flight	<u>.</u>	Spontaneous exit
Behaviour exiting a fully developed spiral dive Initial response of glider (first 180°)	±	A Immediate reduction of rate of tur
Tendency to return to straight flight Turn angle to recover normal flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	Spontaneous exit (g force decreasing, rate of turn decreasing Less than 720°, spontaneous recovery
Symmetric front collapse	Α	Α
-	Rocking back less than 45° Spontaneous in less than 3 s	Rocking back less than 45° Spontaneous in less than 3 s
Dive forward angle on exit Change of course	Keeping course	Dive forward 0° to 30° Keeping course
Cascade occurs Folding lines used		No no
<u>Unaccelerated collapse (at least 50 % chord)</u>	±	A
	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30°	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30°
	Entering a turn of less than 90°	Entering a turn of less than 90° No
Folding lines used	no	no
	A Rocking back less than 45°	A Rocking back less than 45°
Recovery Dive forward angle on exit	Spontaneous in less than 3 s Dive forward 0° to 30°	Spontaneous in less than 3 s Dive forward 0° to 30°
Cascade occurs	-	Entering a turn of less than 90° No
Folding lines used		no
Deep stall achieved		Yes
Dive forward angle on exit		Spontaneous in less than 3 s Dive forward 0° to 30° Changing course less than 45°
Change of course Cascade occurs	Changing course less than 45° No	Changing course less than 45° No
	A Spontaneous in less than 3 s	A Spontaneous in less than 3 s
Cascade occurs	•	No
Recovery from a developed full stall Dive forward angle on exit	A Dive forward 0° to 30°	A Dive forward 0° to 30°
Collapse Cascade occurs (other than collapses)	No collapse No	No collapse No
Rocking back Line tension	Less than 45° Most lines tight	Less than 45° Most lines tight
Small asymmetric collapse	Α	Α
Change of course until re-inflation Maximum dive forward or roll angle	Dive or roll angle 0° to 15°	Less than 90° Dive or roll angle 15° to 45°
Total change of course		Spontaneous re-inflation 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 Cascade occurs		No No
Folding lines used		no
Change of course until re-inflation		Less than 90°
Maximum dive forward or roll angle Re-inflation behaviour Total change of course	Spontaneous re-inflation	Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360°
Collapse on the opposite side occurs		No (or only a small number of collapsed cells with a spontaneous
Twist occurs		re inflation) No
Cascade occurs Folding lines used	-	No no
Small asymmetric collapse accelerated Change of course until re-inflation	A	A Less than 90°
Maximum dive forward or roll angle		Dive or roll angle 15° to 45° Spontaneous re-inflation
Total change of course		Less than 360° No (or only a small number of
Twist occurs	cells with a spontaneous re inflation)	collapsed cells with a spontaneous re inflation)
Cascade occurs Folding lines used	No	No No no
	B	A
Change of course until re-inflation Maximum dive forward or roll angle	90° to 180°	Less than 90° Dive or roll angle 15° to 45°
-	Spontaneous re-inflation	Spontaneous re-inflation Less than 360°
Collapse on the opposite side occurs		No (or only a small number of collapsed cells with a spontaneous
Twist occurs Cascade occurs		re inflation) No No
Folding lines used		no
<u>asymmetric collapse</u>	Α	Α
Able to keep course 180° turn away from the collapsed side possible in 10 s	Yes	Yes Yes
possible in 10 s 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	Α	A
Spin occurs		No
<u>Low speed spin tendency</u> Spin occurs	A No	A No
·	Α	Α
Spin rotation angle after release Cascade occurs		Stops spinning in less than 90° No
	A	A
	Remains stable with straight span	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s
Recovery Dive forward angle on exit Cascade occurs		Spontaneous in less than 3 s Dive forward 0° to 30° No
		A
	Dedicated controls	Dedicated controls Stable flight
	Spontaneous in less than 3 s	Spontaneous in less than 3 s Dive forward 0° to 30°
Recovery Dive forward angle on exit		
Dive forward angle on exit	Α	Α
Dive forward angle on exit Big ears in accelerated flight	A Dedicated controls	A Dedicated controls Stable flight
Dive forward angle on exit <u>Big ears in accelerated flight</u> Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	A Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30°	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	A Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° Stable flight	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 3 s to 5 s Dive forward 0° to 30° Stable flight	Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°

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