DHV TESTREPORT LTF DHV TESTREPORT EN DATASHEET PARTS LIST OPERATING INSTRUCTION

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

DHY

GIN CALYPSO 2 S	
Type designation GIN Caly	pso 2 S
Type test reference no DHV GS-	01-2905-24
Holder of certification GIN Glide	ers Inc.
Manufacturer GIN Glide	ers Inc.
Classification B	
Winch towing Yes	
Number of seats min / max $1/1$	
Accelerator Yes	
Trimmers No	



	BEHAVIOUR AT MIN WEIGHT IN FLIGHT (75KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (100KG)
Test pilots	Josef Bauer	Mario Eder
	No release	No release
Inflation/take-off	Α	A
Rising behaviou	r Smooth, easy and constant rising	Smooth, easy and constant rising
Special take off technique required	No	No
Landing	A	A
Special landing technique required	No	No
<u>Speeds in straight flight</u>	Α	Α
Trim speed more than 30 km/h	Yes	Yes
Speed range using the controls larger than 10 km/h		Yes
Minimum speed	Less than 25 km/h	Less than 25 km/h
Control movement	Α	Α
Symmetric control pressure	Increasing	Increasing
Symmetric control trave	-	Greater than 60 cm
Pitch stability exiting accelerated flight	Α	A
Dive forward angle on exit	t Dive forward less than 30°	Dive forward less than 30°
Collapse occurs	s No	No

	No	No
Pitch stability operating controls during accelerated flight	Α	Α
Collapse occurs	No	No
Roll stability and damping Oscillations	Reducing	A Reducing
	A	A
Tendency to return to straight flight	<u>.</u>	Spontaneous exit
Behaviour exiting a fully developed spiral dive	•	A Immediate reduction of rate of turn
Initial response of glider (first 180°) Tendency to return to straight flight		Spontaneous exit (g force decreasing, rate of turn decreasing)
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Less than 720°, spontaneous recovery
	A	A Decking back loss than 459
-	Rocking back less than 45° Spontaneous in less than 3 s	Rocking back less than 45° Spontaneous in less than 3 s Dive forward 0° to 30°
Change of course Cascade occurs	Keeping course	Keeping course
Folding lines used	-	no
<u>Unaccelerated collapse (at least 50 % chord)</u> Entrv	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		Keeping course No
Folding lines used	1	no
Entry	A Rocking back less than 45°	A Rocking back less than 45°
Dive forward angle on exit		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
Deep stall achieved	•	Yes Spontaneous in less than 3 s
Dive forward angle on exit	-	Dive forward 0° to 30° Changing course less than 45°
Cascade occurs		No
	A Spontaneous in less than 3 s	A Spontaneous in less than 3 s
Cascade occurs	•	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°
_	No collapse	No collapse No
Rocking back		Less than 45° Most lines tight
Small asymmetric collapse	Α	Α
Change of course until re-inflation Maximum dive forward or roll angle		Less than 90° Dive or roll angle 0° to 15°
Re-inflation behaviour Total change of course	Less than 360°	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
Folding lines used	no	no
Large asymmetric collapse Change of course until re-inflation	Less than 90°	¦ A Less than 90°
Maximum dive forward or roll angle Re-inflation behaviour	Spontaneous re-inflation	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 cells with a spontaneous
Twist occurs		re inflation)
Cascade occurs Folding lines used	-	No no
··································	Α	Α
Change of course until re-inflation Maximum dive forward or roll angle	Dive or roll angle 15° to 45°	Less than 90° Dive or roll angle 15° to 45°
Re-inflation behaviour	•	Spontaneous re-inflation Less than 360°
Total change of course		No (or only a small number of
Collapse on the opposite side occurs		No (or only a small number of collapsed cells with a spontaneous re inflation)
Collapse on the opposite side occurs Twist occurs Cascade occurs	No (or only a small number of collapsed cells with a spontaneous re inflation) No No	collapsed cells with a spontaneous re inflation) No No
Collapse on the opposite side occurs Twist occurs Cascade occurs Folding lines used	No (or only a small number of collapsed cells with a spontaneous re inflation) No No no	collapsed cells with a spontaneous re inflation) No No no
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Collapse on the opposite side occurs Twist occurs Cascade occurs Folding lines used Large asymmetric collapse accelerated Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour	No (or only a small number of collapsed cells with a spontaneous re inflation) No No no A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation	collapsed cells with a spontaneous re inflation) No No no B 90° to 180° Dive or roll angle 15° to 45° Spontaneous re-inflation
Collapse on the opposite side occurs Twist occurs Cascade occurs Folding lines used Large 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	No (or only a small number of collapsed cells with a spontaneous re inflation) No No No no A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360°	collapsed cells with a spontaneous re inflation) No No no B 90° to 180° 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
Collapse on the opposite side occurs Twist occurs Cascade occurs Folding lines used Large 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	No (or only a small number of collapsed cells with a spontaneous re inflation) No No No 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)	collapsed cells with a spontaneous re inflation) No No No no B 90° to 180° 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
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