

Flight test report: EN 926-2:2013

ingit test report. EN 320-2.2013					
Manufacturer	777 jadralna padala d.o.o.	Certification number		PG_1066.2016	
Address	Ulica Ane Ziherlove 10	Date of flight test			
	1000 Ljubljana	2 ato etg. t toot			
	Slovenia				
Glider model	Deck M	Classification		Α	
Serial number	DE-M-O-0100	Representative		None	
Trimmer	no	Place of test		Villeneuve	
Test pilot		Thurnheer Claude		Zoller Alain	
Harness		Sup' Air - Access M		Gin Gliders - Gingo 2 L	
Harness to risers dis	stanco (cm)	43		43	
	. ,				
Distance between ri		44		46	
Total weight in flight	t (kg)	80		105	
1. Inflation/Take-off		Α			
		A Smooth, easy and constant rising	^	Smooth, apply and constant riging	^
Rising behaviour Special take off technique	required	No	A	Smooth, easy and constant rising No	A A
2. Landing	equired	A	~	NO NO	~
Special landing technique	required	A No	А	No	А
3. Speed in straight flight		A	~		~
Trim speed more than 30 k		Yes	А	Yes	А
Speed range using the con		Yes	A	Yes	A
Minimum speed		Less than 25 km/h	A		A
Winning Speed			Л		Л
4 Control movement		Δ			
4. Control movement		Α			
4. Control movement Max. weight in flight up to	o 80 kg	Α			
	-	A not available	0	not available	0
Max. weight in flight up to Symmetric control pressure	e / travel		0	not available	0
Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k	e / travel g to 100 kg	not available			
Max. weight in flight up to Symmetric control pressure	e / travel g to 100 kg		0 A		0
Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k	e / travel g to 100 kg e / travel	not available			
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Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a Dive forward angle on exit Collapse occurs 6. Pitch stability operation flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spirat Tendency to return to straig 9. Behaviour exiting a ful Initial response of glider (fin	e / travel g to 100 kg e / travel tter than 100 kg e / travel cccelerated flight g controls during accelerated bing lls ght flight ly developed spiral dive rst 180°)	not availableIncreasing / greater than 60 cmnot availableADive forward less than 30°NoAReducingASpontaneous exitImmediate reduction of rate of turnSpontaneous exit (g force decreasing, rate of turn)	A 0 A A A A A	not available Increasing / greater than 65 cm Dive forward less than 30° No No Reducing Spontaneous exit Immediate reduction of rate of turn	0 A A A A A A
Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a Dive forward angle on exit Collapse occurs 6. Pitch stability operation flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spirat Tendency to return to straig 9. Behaviour exiting a ful Initial response of glider (fur Tendency to return to straig	e / travel g to 100 kg e / travel tter than 100 kg e / travel iccelerated flight g controls during accelerated bing lls ght flight ly developed spiral dive rst 180°) ght flight	not availableIncreasing / greater than 60 cmnot availablenot availableDive forward less than 30°NoAReducingASpontaneous exitImmediate reduction of rate of turnSpontaneous exit (g force decreasing, rate of turn decreasing)	A 0 A A A A A	not available Increasing / greater than 65 cm Dive forward less than 30° No No Reducing Spontaneous exit Immediate reduction of rate of turn Spontaneous exit (g force decreasing, rate of turn decreasing)	0 A A A A A A
Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a Dive forward angle on exit Collapse occurs 6. Pitch stability operation flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spirat Tendency to return to straig 9. Behaviour exiting a ful Initial response of glider (fin	e / travel g to 100 kg e / travel tter than 100 kg e / travel iccelerated flight g controls during accelerated bing lls ght flight ly developed spiral dive rst 180°) ght flight	not availableIncreasing / greater than 60 cmnot availableADive forward less than 30°NoAReducingASpontaneous exitImmediate reduction of rate of turnSpontaneous exit (g force decreasing, rate of turn)		not available Increasing / greater than 65 cm Dive forward less than 30° No No Reducing Spontaneous exit Immediate reduction of rate of turn Spontaneous exit (g force	0 A A A A A A A

10. Symmetric front collapse

Α

Approximately 30 % chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	A	Dive forward 0° to 30° Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No	A	No	A
		~		~
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	А
Cascade occurs	No	А	No	Α
Folding lines used	No	А	No	А
With accelerator				
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	A	No	Α
Folding lines used	No	A	No	A
11. Exiting deep stall (parachutal stall)	Α			_
Deep stall achieved	Yes	Α	Yes	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	А
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
12. High angle of attack recovery	A			
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall	A		D	
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapses)	No	A	No	A
Rocking back	Less than 45°	A	Less than 45°	A
Line tension	Most lines tight	A	Most lines tight	A
14. Asymmetric collapse	Α			
Small asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15° $$	A	Less than 90° / Dive or roll angle 0° to 15° $$	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs				
	No (or only a small number of collapsed cells with a	A	No (or only a small number of collapsed cells with a spontaneous	A
Twist secure	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
Twist occurs	collapsed cells with a spontaneous reinflation) No	A	collapsed cells with a spontaneous reinflation) No	A
Cascade occurs	collapsed cells with a spontaneous reinflation) No No	A A	collapsed cells with a spontaneous reinflation) No No	A A
	collapsed cells with a spontaneous reinflation) No	A	collapsed cells with a spontaneous reinflation) No	A
Cascade occurs	collapsed cells with a spontaneous reinflation) No No	A A	collapsed cells with a spontaneous reinflation) No No	A A
Cascade occurs Folding lines used <i>Large asymmetric collapse</i> Change of course until re-inflation / Maximum dive forward or	collapsed cells with a spontaneous reinflation) No No	A A	collapsed cells with a spontaneous reinflation) No No	A A
Cascade occurs Folding lines used Large asymmetric collapse	collapsed cells with a spontaneous reinflation) No No Less than 90° / Dive or roll angle	A A A	collapsed cells with a spontaneous reinflation) No No No	A A A
Cascade occurs Folding lines used <i>Large asymmetric collapse</i> Change of course until re-inflation / Maximum dive forward or roll angle	collapsed cells with a spontaneous reinflation) No No Less than 90° / Dive or roll angle 15° to 45°	A A A	collapsed cells with a spontaneous reinflation) No No No Less than 90° / Dive or roll angle 15° to 45°	A A A

Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No	А	No	А
Small asymmetric collapse with fully activated accelerator				_
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No	А	No	А
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or	Less than 90° / Dive or roll angle	А	Less than 90° / Dive or roll angle	А
roll angle	15° to 45°	~	15° to 45°	~
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No	А	No	А
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	Α
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency	Α			
Spin occurs	No	А	No	А
17. Low speed spin tendency	Α			
Spin occurs	No	А	No	А
18. Recovery from a developed spin	Α			
Spin rotation angle after release	Stops spinning in less than 90°	А	Stops spinning in less than 90°	А
Cascade occurs	No	А	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A
Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	А	No	А
20. Big ears	Α			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight	A De dia sta di se atra la		De directe de contra d	
Entry procedure	Dedicated controls	A	Dedicated controls	A
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s Dive forward 0° to 30°	A A	Spontaneous in less than 3 s Dive forward 0° to 30°	A A
Dive forward angle on exit		A		A

А
Α
0
0
0

24. Comments of test pilot

Comments