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test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Flight test report: EN 926-2:2013+A1:2021* and NfL 2-565-20

Manufacturer Address	BGD GmbH Am Gewerbepark 11 9413 St-Gertraud		Certification numb Flight test	ber	PG_2485.2024 03.10.2024	
Glider model Serial number Trimmer Folding lines used	Austria Base 3 M BG1221145A no no		Classification Representative Place of test		B Tir Villeneuve	
Test pilot		Nicole Fedele			Claude Thurnheer	
Harness Harness to risers distance [cm] Distance between risers [cm]		Advance Thun 43 40	AG Success 4 M		Advance Thun AG Success 4 M 43 44	
Total weight in fligh	ıt [kg]	75			95	
1. Inflation/Take-off Rising behaviour		B Easy rising, some pilo	t correction is required	В	Easy rising, some pilot correction is required	В
Special take off technique	required	No		A	No	A
2. Landing Special landing technique required		A No		A	No	A
3. Speed in straight flight Trim speed more than 30 km/h		B Yes		A	Yes	A
Speed range using the controls larger than 10 km/h		Yes		A	Yes	A
Minimum speed		Less than 25 km/h		A	25 km/h to 30 km/h	В
 4. Control movement Max. weight in flight up to 80 kg Symmetric control pressure / travel 		A Increasing / greater th	an 55 cm	A	not available	0
Max. weight in flight 80 kg to 100 kg Symmetric control pressure / travel		not available		0	Increasing / greater than 60 cm	A
Max. weight in flight greater than 100 kg Symmetric control pressure / travel		not available		0	not available	0
5. Pitch stability exiting accelerated flight Dive forward angle on exit		A Dive forward less than	30°	A	Dive forward less than 30°	A
Collapse occurs		No		A	Νο	A
6. Pitch stability operating controls during accelerated flight Collapse occurs		A No		A	No	A
7. Roll stability and dam	ping	A				
Oscillations		Reducing		A	Reducing	A
8. Stability in gentle spirals Tendency to return to straight flight		A Spontaneous exit		A	Spontaneous exit	A

*This standard is NOT covered by accreditation D-IS-19457-01

The validation of this test report is given by the signature of the test manager on inspection certificate 91.20 Rev 07 | 04.03.2022 // ISO | 91.22 // Page 1 of 4

natal response of gider (free 160)*Normality measureNormality measureNormality field decreasing methodNormality field decreasing methodNo	9. Behaviour exiting a fully developed spiral dive	В			
International and		No immediate reaction	В	No immediate reaction	В
Commertion of lapse B Entry Roding back less flan 45° A Recovery Spontimeted 30 % chord A Dive forward angle on exit Change of course Dive forward 0 to 201 / Keeping course A Dive forward 0 to 201 / Keeping course A Cascade occurs No No A No A Folding lines used No A No A At least 50% chord Entry Roding back lines flan 40° A No A At least 50% chord Entry Roding back lines flan 40° A No A Recovery Roding back lines flan 40° A Roding back lines flan 40° A No A Recovery Roding back lines flan 40° A No A A A Recovery Roding back lines flan 40° A No A A A Cascade occurs No No A No A A A Cascade occurs Roding back lines flan 45° A Rocing back lines flan 45° A No A A Cascade occurs	Tendency to return to straight flight		A		A
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Dive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°AChange of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryASpontaneous in less than 3 sASpontaneous in less than 3 sASpontaneous in less than 3 sA13. Recovery from a developed full stall Dive forward angle on exitADive forward 0° to 30°AOutgaseNo collapseANo collapseA					
Change of courseChanging course less than 45°AChanging course less than 45°ACascade occursNoANoA12. High angle of attack recovery RecoveryASpontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoNoASpontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoNoANoACascade occursNoANoACascade occursNoANoADive forward angle on exitDive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occursNoANoA12. High angle of attack recovery RecoveryA Spontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoASpontaneous in less than 3 sACascade occursNoADive forward 0° to 30°ADive forward 0° to 30°A13. Recovery from a developed full stall Dive forward angle on exitADive forward 0° to 30°ADive forward 0° to 30°ACollapseNo collapseANo collapseANo collapseA	Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	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 No A No A 13. Recovery from a developed full stall A Dive forward 0° to 30° A Dive forward 0° to 30° A Collapse No collapse A No collapse A No collapse A	Change of course	Changing course less than 45°	A	Changing course less than 45°	A
RecoverySpontaneous in less than 3 sASpontaneous in less than 3 sACascade occursNoANoA 13. Recovery from a developed full stall Dive forward angle on exitADive forward 0° to 30°ACollapseNo collapseANo collapseA	Cascade occurs	No	A	No	A
13. Recovery from a developed full stall A Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 30° A Collapse No collapse A No collapse A No collapse A			A	Spontaneous in less than 3 s	A
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	No	A	No	A
			A	Dive forward 0° to 30°	A
Cascade occurs (other than collapses) No A No A	Collapse	No collapse	A	No collapse	А
	Cascade occurs (other than collapses)	No	A	Νο	A

Rocking back	Less than 45°		Less than 45°	А
Line tension	Most lines tight	A	Most lines tight	A
14. Asymmetric collapse	A			
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 15° to 45° $$	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A	No	А
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45° $$	A	Less than 90° / Dive or roll angle 15° to 45° $$	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	A	No	A
Cascade occurs	No	A	No	A
Folding lines used	No	A	No	А
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45° $$	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
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	A	No	A
Cascade occurs	No	A	No	A

Folding lines used	Νο	A	No	А
15. Directional control with a maintained	Α			
asymmetric collapse Able to keep course	Yes	А	Yes	А
' 180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel		More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency Spin occurs	A No	A	No	A
17. Low speed spin tendency Spin occurs	A No	A	No	A
18. Recovery from a developed spin	В			
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in 90° to 180°	В
Cascade occurs	No	A	No	A
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	А
Cascade occurs	No	A	No	А
20. Big ears	В			
Entry procedure	Dedicated controls	A	Dedicated controls	А
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Recovery through pilot action in less than a further 3 s	В	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight	В			
Entry procedure	Dedicated controls	A	Dedicated controls	А
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Recovery through pilot action in less than a further 3 s	В	Spontaneous in 3 s to 5 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	A	Yes	A
Stall or spin occurs	No	A	No	A
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0