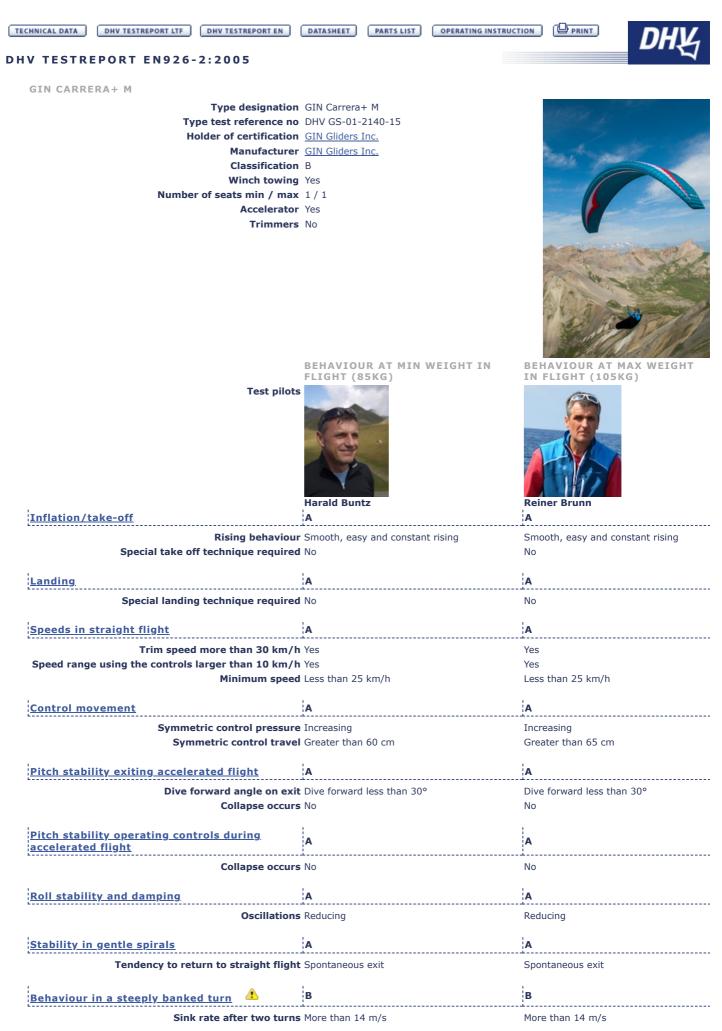
DHV Testreport EN926-2:2005 :: GIN Carrera+ M



B

Symmetric front collapse

В

DHV Testreport EN926-2:2005 :: GIN Carrera+ M

018 DH\	/ Testreport EN926-2:2005 :: GIN Carrera	a+ M
Entry	 Rocking back less than 45° 	Rocking back less than 45°
-	Spontaneous in 3 s to 5 s	Spontaneous in 3 s to 5 s
Dive forward angle on exit	-	Dive forward 30° to 60°
-	Entering a turn of less than 90°	Entering a turn of less than 90°
Cascade occurs	-	No
		NO
Symmetric front collapse in accelerated flight	в	В
Entry	Rocking back less than 45°	Rocking back less than 45°
Recovery	Spontaneous in 3 s to 5 s	Spontaneous in 3 s to 5 s
Dive forward angle on exit		Dive forward 30° to 60°
-	Entering a turn of less than 90°	Entering a turn of less than 90°
Cascade occurs	-	No
Exiting deep stall (parachutal stall)	Α	В
Deep stall achieved	í Yes	Yes
Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on exit	: Dive forward 0° to 30°	Dive forward 30° to 60°
Change of course	Changing course less than 45°	Changing course less than 45°
Cascade occurs	; No	No
http://www.stall.org/anti-all-second-s	1.	
High angle of attack recovery	¦A	A
-	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Cascade occurs	NO	No
Recovery from a developed full stall	A	в
Dive forward angle on exit	÷	Dive forward 30° to 60°
	No collapse	No collapse
-		No
Cascade occurs (other than collapses)		Less than 45°
_	Less than 45°	
Line tension	I Most lines tight	Most lines tight
Asymmetric collapse 45-50%	A	A
Change of course until re-inflation	Less than 90°	Less than 90°
Maximum dive forward or roll angle	Dive or roll angle 15° to 45°	Dive or roll angle 15° to 45°
_	· Spontaneous re-inflation	Spontaneous re-inflation
Total change of course		Less than 360°
Collapse on the opposite side occurs		No
Twist occurs		No
Cascade occurs	s No	No
Asymmetric collapse 70-75%	В	В
Change of course until re-inflation	90° to 180°	90° to 180°
Maximum dive forward or roll angle	Dive or roll angle 15° to 45°	Dive or roll angle 15° to 45°
	Dive or roll angle 15° to 45° Spontaneous re-inflation	Dive or roll angle 15° to 45° Spontaneous re-inflation
	Spontaneous re-inflation	_
Re-inflation behaviour	Spontaneous re-inflation	Spontaneous re-inflation
Re-inflation behaviour Total change of course	Spontaneous re-inflation Less than 360° No	Spontaneous re-inflation Less than 360°
Re-inflation behaviour Total change of course Collapse on the opposite side occurs	Spontaneous re-inflation Less than 360° No No	Spontaneous re-inflation Less than 360° No
Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs	Spontaneous re-inflation Less than 360° No No	Spontaneous re-inflation Less than 360° No No
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Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs <u>Asymmetric collapse 45-50% in accelerated</u> <u>flight</u>	Spontaneous re-inflation Less than 360° No No No	Spontaneous re-inflation Less than 360° No No No
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Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs Asymmetric collapse 45-50% in accelerated flight Change of course until re-inflation Maximum dive forward or roll angle	Spontaneous re-inflation Less than 360° No No No Less than 90° Dive or roll angle 15° to 45°	Spontaneous re-inflation Less than 360° No No No Less than 90° Dive or roll angle 15° to 45°
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Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs <u>Asymmetric collapse 45-50% in accelerated</u> <u>flight</u> 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 Twist occurs	Spontaneous re-inflation Less than 360° No No Less than 90° Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No	Spontaneous re-inflation Less than 360° No No No A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No No
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Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs Asymmetric collapse 45-50% in accelerated flight 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 Twist occurs Cascade occurs Asymmetric collapse 70-75% in accelerated flight Change of course until re-inflation	Spontaneous re-inflation Less than 360° No No No Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No No No No 90° to 180°	Spontaneous re-inflation Less than 360° No No No A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No No No No No No
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Re-inflation behaviour Total change of course Collapse on the opposite side occurs Twist occurs Cascade occurs Asymmetric collapse 45-50% in accelerated flight 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 Collapse on the opposite side occurs Twist occurs Cascade occurs	 Spontaneous re-inflation Less than 360° No No A A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No B 90° to 180° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No 	Spontaneous re-inflation Less than 360° No No No A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360° No No No No No No No No No No No No No

Directional control with a maintained asymmetric collapse	A	A
Able to keep course	ч У Рес	Yes
180° turn away from the collapsed side possible in		Yes
10 s		
Amount of control range between turn and stall or spir	More than 50 % of the symmetric control travel	More than 50 % of the symmetric control travel
Trim speed spin tendency	A	Α
Spin occurs	s No	No
Low speed spin tendency	A	A
Spin occurs	s No	No
Recovery from a developed spin	A	Α
Spin rotation angle after release	Stops spinning in less than 90°	Stops spinning in less than 90°
Cascade occurs	s No	No
<u>B-line stall</u>	A	Α
Change of course before release	Changing course less than 45°	Changing course less than 45°
Behaviour before release	Remains stable with straight span	Remains stable with straight span
Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on exit	Dive forward 30° to 60°	Dive forward 30° to 60°
Cascade occurs	s No	No
<u>Big ears</u>	В	В
	B Dedicated controls	B Dedicated controls
	Dedicated controls	· · · · · · · · · · · · · · · · · · ·
Entry procedure Behaviour during big ears	Dedicated controls	Dedicated controls Stable flight Spontaneous in 3 s to 5 s
Entry procedure Behaviour during big ears	e Dedicated controls 5 Stable flight 7 Spontaneous in 3 s to 5 s	Dedicated controls Stable flight
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	e Dedicated controls 5 Stable flight 7 Spontaneous in 3 s to 5 s	Dedicated controls Stable flight Spontaneous in 3 s to 5 s
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Big ears in accelerated flight	 Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° 	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30°
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Big ears in accelerated flight	 Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls 	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30°
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears	 Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls 	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls
Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears	 Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s 	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less
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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 immediately after releasing the accelerator while maintaining big ears	 Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight 	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30°
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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 immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight flight	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight A Spontaneous exit
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 immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight flight	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight Stable flight A Spontaneous exit Less than 720°, spontaneous recovery	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight A Spontaneous exit
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 immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight flight Turn angle to recover normal flight Sink rate when evaluating spiral stability [m/s]	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight Stable flight A Spontaneous exit Less than 720°, spontaneous recovery	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight A Spontaneous exit Less than 720°, spontaneous recover
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 immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight flight Turn angle to recover normal flight Sink rate when evaluating spiral stability [m/s]	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight A A A A A	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight A Spontaneous exit Less than 720°, spontaneous recovery 14
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 immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight flight Turn angle to recover normal flight Sink rate when evaluating spiral stability [m/s] Alternative means of directional control	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight A Spontaneous exit Less than 720°, spontaneous recovery 14 A Yes	Dedicated controls Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30° B Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight A Spontaneous exit Less than 720°, spontaneous recover 14

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