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



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L		
	ry Rocking back less than 45°	Rocking back less than 45°
Dive forward angle on ex	ry Spontaneous in 3 s to 5 s	Spontaneous in less than 3 s Dive forward 0° to 30°
-	se Entering a turn of less than 90°	Entering a turn of less than 90°
Cascade occu		No
1		
Symmetric front collapse in accelerated fligh	·····	В
	ry Rocking back less than 45°	Rocking back less than 45°
	ry Spontaneous in 3 s to 5 s	Spontaneous in 3 s to 5 s
Dive forward angle on ex		Dive forward 30° to 60°
_	se Entering a turn of less than 90°	Entering a turn of less than 90°
Cascade occu	irs No	No
<u>Exiting deep stall (parachutal stall)</u>	Α	Α
Deep stall achieve	ed Yes	Yes
Recove	ry Spontaneous in less than 3 s	Spontaneous in less than 3 s
Dive forward angle on ex		Dive forward 0° to 30°
	se Changing course less than 45°	Changing course less than 45°
Cascade occu	Irs No	No
High angle of attack recovery	A	A
L	ry Spontaneous in less than 3 s	Spontaneous in less than 3 s
Cascade occu		No
Recovery from a developed full stall	A	A
Dive forward angle on ex		Dive forward 0° to 30°
Collap	se No collapse	No collapse
Cascade occurs (other than collapse	es) No	No
Rocking ba	ck Less than 45°	Less than 45°
Line tensio	on Most lines tight	Most lines tight
Asymmetric collapse 45-50%	A	A
Change of course until re-inflation	on Less than 90°	Less than 90°
Maximum dive forward or roll ang	Jle Dive or roll angle 15° to 45°	Dive or roll angle 15° to 45°
Re-inflation behavio	ur Spontaneous re-inflation	Spontaneous re-inflation
Total change of cour	se Less than 360°	Less than 360°
Collapse on the opposite side occu	Irs No	No
Twist occu	Irs No	No
Cascade occu	Irs No	No
Asymmetric collapse 70-75%	В	В
Change of course until re-inflation	·i	90° to 180°
Maximum dive forward or roll ang		Dive or roll angle 15° to 45°
-	ur Spontaneous re-inflation	Spontaneous re-inflation
Total change of cour		Less than 360°
Collapse on the opposite side occu		No
Twist occu		No
Cascade occu		No
Asymmetric collapse 45-50% in accelerated flight	A	Α
Change of course until re-inflatio	nn Less than 90°	Less than 90°
-		Dive or roll angle 15° to 45°
Maximum dive forward or roll and		
Maximum dive forward or roll ang Re-inflation behavio	-	_
Re-inflation behavio	ur Spontaneous re-inflation	Spontaneous re-inflation
Re-inflation behavio Total change of cour	ur Spontaneous re-inflation se Less than 360°	Spontaneous re-inflation Less than 360°
Re-inflation behavio Total change of cour Collapse on the opposite side occu	ur Spontaneous re-inflation se Less than 360° Irs No	Spontaneous re-inflation Less than 360° No
Re-inflation behavio Total change of cour	ur Spontaneous re-inflation se Less than 360° irs No irs No	Spontaneous re-inflation Less than 360°
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu Cascade occu	ur Spontaneous re-inflation se Less than 360° irs No irs No	Spontaneous re-inflation Less than 360° No No
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu	ur Spontaneous re-inflation se Less than 360° irs No irs No	Spontaneous re-inflation Less than 360° No No
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu Cascade occu <u>Asymmetric collapse 70-75% in accelerated</u>	ur Spontaneous re-inflation se Less than 360° Irs No Irs No B	Spontaneous re-inflation Less than 360° No No No
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu Cascade occu <u>Asymmetric collapse 70-75% in accelerated</u> <u>flight</u> Change of course until re-inflatio	ur Spontaneous re-inflation se Less than 360° Irs No Irs No B B on 90° to 180°	Spontaneous re-inflation Less than 360° No No B 90° to 180°
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu Cascade occu <u>Asymmetric collapse 70-75% in accelerated</u> <u>flight</u> Change of course until re-inflatio Maximum dive forward or roll ang	ur Spontaneous re-inflation se Less than 360° Irs No Irs No B B on 90° to 180° Jle Dive or roll angle 15° to 45°	Spontaneous re-inflation Less than 360° No No No
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu Cascade occu <u>Asymmetric collapse 70-75% in accelerated</u> <u>flight</u> Change of course until re-inflatio Maximum dive forward or roll ang	ur Spontaneous re-inflation se Less than 360° irs No irs No B b on 90° to 180° jle Dive or roll angle 15° to 45° ur Spontaneous re-inflation	Spontaneous re-inflation Less than 360° No No B 90° to 180° Dive or roll angle 15° to 45°
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu Cascade occu <u>Asymmetric collapse 70-75% in accelerated</u> <u>flight</u> Change of course until re-inflatio Maximum dive forward or roll ang Re-inflation behavio Total change of course	ur Spontaneous re-inflation se Less than 360° irs No irs No B on 90° to 180° gle Dive or roll angle 15° to 45° ur Spontaneous re-inflation se Less than 360°	Spontaneous re-inflation Less than 360° No No No B 90° to 180° Dive or roll angle 15° to 45° Spontaneous re-inflation
Re-inflation behavio Total change of cour Collapse on the opposite side occu Twist occu Cascade occu Asymmetric collapse 70-75% in accelerated flight Change of course until re-inflatio Maximum dive forward or roll ang Re-inflation behavio	ur Spontaneous re-inflation se Less than 360° irs No irs No B on 90° to 180° jle Dive or roll angle 15° to 45° ur Spontaneous re-inflation se Less than 360° irs No	Spontaneous re-inflation Less than 360° No No No B 90° to 180° Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360°

Directional control with a maintained asymmetric collapse	A	A
Able to keep course	ч. Уос	Yes
180° turn away from the collapsed side possible in		Yes
100 turn dway from the compset side possible i		
Amount of control range between turn and stall o spir	r More than 50 % of the symmetric control travel	More than 50 % of the symmetric control travel
Trim speed spin tendency	Α	Α
Spin occurs	s No	No
Low speed spin tendency	A	A
Spin occurs	No	No
Recovery from a developed spin	Α	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>	Α	A
Change of course before release	Changing course less than 45°	Changing course less than 45°
Behaviour before release	e 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 exi	t Dive forward 30° to 60°	Dive forward 30° to 60°
Cascade occurs	s No	No
		1
Big ears	В	В
	B Dedicated controls	B Dedicated controls
	Dedicated controls	· · · · · · · · · · · · · · · · · · ·
Entry procedure Behaviour during big ears	Dedicated controls	Dedicated controls
Entry procedure Behaviour during big ears	 Dedicated controls Stable flight Spontaneous in 3 s to 5 s 	Dedicated controls Stable flight
Entry procedure Behaviour during big ear Recover	 Dedicated controls Stable flight 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 exi <u>Big ears in accelerated flight</u>	 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 exi <u>Big ears in accelerated flight</u>	 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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears 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 	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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi	 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° 	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°
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears 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 	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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Behaviour immediately after releasing the	 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°
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi 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 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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi 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 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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi 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 Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight Stable flight 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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Behaviour immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight fligh Turn angle to recover normal fligh	 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 Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight Stable flight 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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Behaviour immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight fligh Turn angle to recover normal fligh 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 	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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Behaviour immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight fligh Turn angle to recover normal fligh 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 	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
Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exi Behaviour immediately after releasing the accelerator while maintaining big ears Behaviour exiting a steep spiral Tendency to return to straight fligh Turn angle to recover normal fligh 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 t Dive forward 0° to 30° Stable flight A Stable flight A Spontaneous exit Less than 720°, spontaneous recovery 14 A Yes No	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

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