

Category	Paraglider
Type designation	Gradient Golden 24
Manufacturer	Gradient s.r.o.
Type test reference no	DHV GS-01-1169-03
Type test standard(s) applied	Lufttüchtigkeitsforderungen für HG und GS
Date of certification	2003-09-04
Holder of certification in Germany	Turnpoint Fastline GmbH
Holder of certification in Austria	Turnpoint Fastline GmbH
Limits of operation	
Classification	1-2 GH
Harness restriction	GH
Total weight in flight	60 Kg - 85 Kg
Number of seats	1
Winch towing	Yes
Inspection interval	24 Mo
Characteristics	
Trimmers	No
Accelerator	Yes
Weight of glider without bag	5.1 Kg

TEST REPORT DHV 03 GRADIENT GOLDEN 24

Type Gradient Golden 24		
Certificate-No DHV GS-01-1169-03		
Holder of certificate Turnpoint Fastline GmbH		
Manufacturer Gradient s.r.o.		
Classification 1-2 GH		
Winch tow Yes		
Number of seats min / Number of seats max 1 / 1		
Accelerator? Yes		
Trimmers? No		
	BEHAVIOUR AT MIN WEIGHT IN FLIGHT(65 KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT(85 KG)
Take off	1	1
	Inflation evenly, immediately	evenly, immediately
	Rising behaviour immediately comes over pilot	immediately comes over pilot
	Take off speed average	average
	Take off handling easy	easy
Straight flight	1-2	1-2
	Roll damping average	average
Turn handling	1	1
	Spin tendency not available	not available
	Control travel average	average
	Agility high	high
Symmetric stall	1	1
	Deep-stall limit average 60 cm - 75 cm	average 60 cm - 75 cm
	Full stall limit average 65 cm - 80 cm	average 65 cm - 80 cm
	Increase in steering power high	high
Front collapse	1-2	1-2
	Pre-acceleration slight	slight
	Opening behaviour spontaneous, delayed	spontaneous, delayed
Asymmetric collapse	1	1-2
	Turn tendency < 90 degrees	90 - 180 degrees
	Change of course < 90 degrees	90 - 180 degrees
	Rate of turn slight	average with deceleration
	Max. roll/pitch angle less than 45 degrees	less than 45 degrees
	Loss of altitude slight	slight
	Stabilization spontaneous	spontaneous
	Opening behaviour spontaneous, quickly	spontaneous, quickly
Countersteering an asymmetric collapse	1-2	1
	Stabilization countersteering easy	countersteering easy
	Control travel average	average
	Control pressure increase high	high
	Turn in opposite direction easy, no tendency to stall	easy, no tendency to stall
	Opening behaviour spontaneous, delayed	spontaneous, delayed
Full stall, symm. exit	1-2	1-2
Spin out of straight flight	1-2	1-2
Spin out of turn	1-2	1
Spiral dive	1	1-2
	Entry easy	easy
	Spin tendency not available	not available
	Exit spontaneous	turn continues through < 180 degrees
	Sink rate [m/s] 7	8
B-line stall	1	1
	Entry easy	easy
	Exit spontaneous	spontaneous
Big ears	1	1
	Entry easy	easy
	Recovery spontaneous, quickly	spontaneous, quickly
Landing	1	1

Landing behaviour	easy	easy
Front collapse (accelerated)	1-2	1-2
Pre-acceleration	slight	slight
Opening behaviour	spontaneous, delayed	spontaneous, delayed
Asymmetric collapse (accelerated)	1-2	1-2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Change of course	90 - 180 degrees	90 - 180 degrees
Rate of turn	average	average
	with deceleration	with deceleration
Max. roll/pitch angle	less than 45 degrees	less than 45 degrees
Loss of altitude	slight	slight
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous, quickly	spontaneous, quickly
Big ears accelerated	1	1
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly
Supplementary remarks		

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