

Category Paraglider

Type designation Gradient Golden 30

Manufacturer Gradient s.r.o.

Type test reference no DHV GS-01-1164-03

Type test standard(s) applied Lufttüchtigkeitsforderungen für HG und GS

Date of certification 2003-08-07

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 105 Kg - 130 Kg

Number of seats 1

Winch towing Yes

Inspection interval 24 Mo

Characteristics

Trimmers No

Accelerator Yes

Weight of glider without bag 6.0 Kg

TEST REPORT DHV 03 GRADIENT GOLDEN 30

Type Gradient Golden 30		
Certificate-No DHV GS-01-1164-03		
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(105 KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT(130 KG)
Take off	1	1
	Inflation evenly, immediately	evenly, immediately
	Rising behaviour immediately comes over pilot	immediately comes over pilot
	Take off speed slight	slight
	Take off handling easy	easy
Straight flight	1	1
	Roll damping high	high
Turn handling	1-2	1-2
	Spin tendency slight	slight
	Control travel average	high
	Agility high	average
Symmetric stall	1-2	1-2
	Deep-stall limit average 60 cm - 75 cm	late > 75 cm
	Full stall limit average 65 cm - 80 cm	late > 90 cm
	Increase in steering power average	average
Front collapse	1-2	1-2
	Pre-acceleration average	average
	Opening behaviour spontaneous, quickly	spontaneous, delayed
Asymmetric collapse	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 with deceleration	average with deceleration
	Max. roll/pitch angle less than 45 degrees	less than 45 degrees
	Loss of altitude average	average
	Stabilization spontaneous	spontaneous
	Opening behaviour spontaneous	spontaneous
Countersteering an asymmetric collapse	1-2	1-2
	Stabilization countersteering easy	countersteering easy
	Control travel average	average
	Control pressure increase average	average
	Turn in opposite direction easy, no tendency to stall	easy, no tendency to stall
	Opening behaviour spontaneous, quickly	spontaneous, quickly
Full stall, symm. exit	1-2	1-2
Spin out of straight flight	1	1-2
Spin out of turn	1	1
Spiral dive	1	1
	Entry easy	easy
	Spin tendency slight	slight
	Exit turn continues through < 180 degrees	turn continues through < 180 degrees
	Sink rate [m/s] 14	13
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	average	average
Opening behaviour	spontaneous, quickly	spontaneous, delayed
Asymmetric collapse (accelerated)	1-2	1-2
Turn tendency	90 - 180 degrees	90 - 180 degrees
Change of course	180 - 360 degrees	180 - 360 degrees
Rate of turn	average	average
Max. roll/pitch angle	less than 45 degrees	less than 45 degrees
Loss of altitude	average	average
Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous	spontaneous
Big ears accelerated	1	1
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly
Supplementary remarks		

06.12.2003 20:48:12

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