

## DATA PARAGLIDER

[DHV test report](#)

<b>Category</b>	Paraglider
<b>Type designation</b>	Gradient Golden 22
<b>Manufacturer</b>	Gradient s.r.o.
<b>Type test reference no</b>	DHV GS-01-1232-04
<b>Type test standard(s) applied</b>	Lufttüchtigkeitsforderungen für HG und GS
<b>Date of certification</b>	2004-05-07
<b>Holder of certification in Germany</b>	<a href="#">Turnpoint Fastline GmbH</a>
<b>Holder of certification in Austria</b>	<a href="#">Turnpoint Fastline GmbH</a>
<b>Limits of operation</b>	
<b>Classification</b>	1-2 GH
<b>Harness restriction</b>	
<b>Total weight in flight</b>	55 Kg - 70 Kg
<b>Number of seats</b>	1
<b>Winch towing</b>	Yes
<b>Inspection interval</b>	24 Mo
<b>Characteristics</b>	
<b>Trimmers</b>	No
<b>Accelerator</b>	Yes
<b>Weight of glider without bag</b>	4.6 Kg

## TEST REPORT DHV 03 GRADIENT GOLDEN 22

<b>Type</b> Gradient Golden 22		
<b>Certificate-No</b> DHV GS-01-1232-04		
<b>Holder of certificate</b> <a href="#">Turnpoint Fastline GmbH</a>		
<b>Manufacturer</b> Gradient s.r.o.		
<b>Classification</b> 1-2 GH		
<b>Winch tow</b> Yes		
<b>Number of seats min / Number of seats max</b> 1 / 1		
<b>Accelerator?</b> Yes		
<b>Trimmers?</b> No		
	<b>BEHAVIOUR AT MIN WEIGHT IN FLIGHT(55 KG)</b>	<b>BEHAVIOUR AT MAX WEIGHT IN FLIGHT(70 KG)</b>
<b>Take off</b>	<b>1</b>	<b>1</b>
<b>Inflation</b>	evenly, immediately	evenly, immediately
<b>Rising behaviour</b>	immediately comes over pilot	immediately comes over pilot
<b>Take off speed</b>	average	average
<b>Take off handling</b>	easy	easy
<b>Straight flight</b>	<b>1-2</b>	<b>1-2</b>
<b>Roll damping</b>	average	average
<b>Turn handling</b>	<b>1-2</b>	<b>1</b>
<b>Spin tendency</b>	slight	not available
<b>Control travel</b>	average	high
<b>Agility</b>	high	high
<b>Symmetric stall</b>	<b>1-2</b>	<b>1-2</b>
<b>Deep-stall limit</b>	average 60 cm - 75 cm	average 60 cm - 75 cm
<b>Full stall limit</b>	average 65 cm - 80 cm	average 65 cm - 80 cm
<b>Increase in steering power</b>	high	high
<b>Front collapse</b>	<b>1-2</b>	<b>1</b>
<b>Pre-acceleration</b>	average	average
<b>Opening behaviour</b>	spontaneous, delayed	spontaneous, quickly
<b>Asymmetric collapse</b>	<b>1-2</b>	<b>1-2</b>
<b>Turn tendency</b>	90 - 180 degrees	90 - 180 degrees
<b>Change of course</b>	90 - 180 degrees	90 - 180 degrees
<b>Rate of turn</b>	average with deceleration	average with deceleration
<b>Max. roll/pitch angle</b>	less than 45 degrees	less than 45 degrees
<b>Loss of altitude</b>	slight	average
<b>Stabilization</b>	spontaneous	spontaneous
<b>Opening behaviour</b>	spontaneous, delayed	spontaneous
<b>Countersteering an asymmetric collapse</b>	<b>1-2</b>	<b>1</b>
<b>Stabilization</b>	countersteering easy	countersteering easy
<b>Control travel</b>	average	high
<b>Control pressure increase</b>	high	high
<b>Turn in opposite direction</b>	easy, no tendency to stall	easy, no tendency to stall
<b>Opening behaviour</b>	spontaneous, delayed	spontaneous, delayed
<b>Full stall, symm. exit</b>	<b>1-2</b>	<b>1-2</b>
<b>Spin out of straight flight</b>	<b>1-2</b>	<b>1-2</b>
<b>Spin out of turn</b>	<b>1</b>	<b>1</b>
<b>Spiral dive</b>	<b>1</b>	<b>1</b>
<b>Entry</b>	easy	easy
<b>Spin tendency</b>	not available	not available
<b>Exit</b>	spontaneous	turn continues through < 180 degrees
<b>Sink rate [m/s]</b>	8	9
<b>B-line stall</b>	<b>1</b>	<b>1</b>
<b>Entry</b>	easy	easy
<b>Exit</b>	spontaneous	spontaneous
<b>Big ears</b>	<b>1</b>	<b>1-2</b>
<b>Entry</b>	easy	easy

	<b>Recovery</b> spontaneous, quickly	not spontaneously
<b>Landing</b>	<b>1</b>	<b>1</b>
	<b>Landing behaviour</b> easy	easy
<b>Front collapse (accelerated)</b>	<b>1-2</b>	<b>1-2</b>
	<b>Pre-acceleration</b> average	average
	<b>Opening behaviour</b> spontaneous, delayed	spontaneous, delayed
<b>Asymmetric collapse (accelerated)</b>	<b>1-2</b>	<b>1-2</b>
	<b>Turn tendency</b> 90 - 180 degrees	90 - 180 degrees
	<b>Change of course</b> 90 - 180 degrees	90 - 180 degrees
	<b>Rate of turn</b> average	average
	with deceleration	with deceleration
	<b>Max. roll/pitch angle</b> less than 45 degrees	less than 45 degrees
	<b>Loss of altitude</b> average	average
	<b>Stabilization</b> spontaneous	spontaneous
	<b>Opening behaviour</b> spontaneous	spontaneous
<b>Big ears accelerated</b>	<b>1</b>	<b>1-2</b>
	<b>Entry</b> easy	easy
	<b>Recovery</b> spontaneous, quickly	not spontaneously

**Supplementary remarks**

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