

## DATA PARAGLIDER

[DHV test report](#)

<b>Category</b>	Paraglider
<b>Type designation</b>	Gradient Bright Classic 28
<b>Manufacturer</b>	Gradient s.r.o.
<b>Type test reference no</b>	DHV GS-01-1205-04
<b>Type test standard(s) applied</b>	Lufttüchtigkeitsforderungen für HG und GS
<b>Date of certification</b>	2004-03-04
<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 GH
<b>Harness restriction</b>	GH
<b>Total weight in flight</b>	90 Kg - 110 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>	6.2 Kg

Test report DHV 03 Gradient Bright Classic 28

Type	Gradient Bright Classic 28	
Certificate-No	DHV GS-01-1205-04	
Holder of certificate	<a href="#">Turnpoint Fastline GmbH</a>	
Manufacturer	Gradient s.r.o.	
Classification	1 GH	
Winch tow	Yes	
Number of seats min / Number of seats max	1 / 1	
Accelerator?	Yes	
Trimmers?	No	
	Behaviour at min weight in flight(90 Kg)	Behaviour at max weight in flight(110 Kg)
<b>Take off</b>	<b>1</b>	<b>1</b>
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
<b>Straight flight</b>	<b>1</b>	<b>1</b>
Roll damping	average	average
<b>Turn handling</b>	<b>1</b>	<b>1</b>
Spin tendency	not available	not available
Control travel	high	high
Agility	average	average
<b>Symmetric stall</b>	<b>1</b>	<b>1</b>
Deep-stall limit	late > 75 cm	late > 75 cm
Full stall limit	late > 90 cm	late > 90 cm
Increase in steering power	high	high
<b>Front collapse</b>	<b>1</b>	<b>1</b>
Pre-acceleration	slight	slight
Opening behaviour	spontaneous, quickly	spontaneous, delayed
<b>Asymmetric collapse</b>	<b>1</b>	<b>1</b>
Turn tendency	< 90 degrees	< 90 degrees
Change of course	< 90 degrees	< 90 degrees
Rate of turn	slight	slight
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
<b>Countersteering an asymmetric collapse</b>	<b>1</b>	<b>1</b>
Stabilization	countersteering easy	countersteering easy
Control travel	high	high
Control pressure increase	high	high
Turn in opposite direction	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, quickly	spontaneous, quickly
<b>Full stall, symm. exit</b>	<b>1</b>	<b>1</b>
<b>Spin out of straight flight</b>	<b>1</b>	<b>1</b>
<b>Spin out of turn</b>	<b>1</b>	<b>1</b>
<b>Spiral dive</b>	<b>1</b>	<b>1</b>
Entry	easy	easy
Spin tendency	not available	not available
Exit	spontaneous	turn continues through < 180 degrees
Sink rate [m/s]	7	8
<b>B-line stall</b>	<b>1</b>	<b>1</b>
Entry	easy	easy
Exit	spontaneous	spontaneous
<b>Big ears</b>	<b>1</b>	<b>1</b>
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly
<b>Landing</b>	<b>1</b>	<b>1</b>
Landing behaviour	easy	easy

<b>Front collapse (accelerated)</b>	<b>1</b>	<b>1</b>
Pre-acceleration	slight	slight
Opening behaviour	spontaneous, quickly	spontaneous, delayed

<b>Asymmetric collapse (accelerated)</b>	<b>1</b>	<b>1</b>
Turn tendency	< 90 degrees	< 90 degrees
Change of course	< 90 degrees	< 90 degrees
Rate of turn	slight	slight
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

<b>Big ears accelerated</b>	<b>1</b>	<b>1</b>
Entry	easy	easy
Recovery	spontaneous, quickly	spontaneous, quickly

Supplementary remarks

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