



DHV paraglider test flight report

Type designation Gradient Bright 30

Manufacturer Gradient s.r.o.

Type test reference no DHV GS-01-0973-02

Classification 1 GH

Number of seats 1

Winch towing Yes

	Behaviour at min weight in flight (100 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
Lift off speed	average	average
Take-off behaviour overall	easy	easy
LEVEL FLIGHT	1	1
Trim speed	36 km/h	36 km/h
Speed accelerated		48 km/h
Roll damping	average	average
TURN BEHAVIOUR	1	1
Spin tendency	not available	not available
Control travel	high	high
Agility	average	average
SYMMETRIC STALL	1	1
Deep stall limit	late > 75 cm	late > 75 cm
Full stall limit	late > 90 cm	late > 90 cm
Control pressure increase	high	high
SYMMETRIC TUCK	1	1
Tendency to shoot forward	slight	slight
Opening behaviour	spontaneous, quickly	spontaneous, quickly
SYMMETRIC TUCK (ACCELERATED)	-	1
Tendency to shoot forward	-	slight
Opening behaviour	- -	spontaneous, quickly
ASYMMETRIC TUCK	1	1
Turn	90 - 180 degrees	90 - 180 degrees
Rate of turn	slight	slight
Loss of altitude	average	average

	Stabilization	spontaneous	spontaneous
	Opening behaviour	spontaneous, delayed	spontaneous, quickly
ASYMMETRIC TUCK (ACCELERATED)			
	Turn	-	90 - 180 degrees
	Rate of turn	- -	slight
	Loss of altitude	-	average
	Stabilization	-	spontaneous
	Opening behaviour	- -	spontaneous, quickly
COUNTERSTEERING AN ASYMMETRIC TUCK			
	Stabilization	countersteering easy	countersteering easy
	Control travel	high	high
	Control pressure increase	high	high
	Opposite turn	easy, no tendency to stall	easy, no tendency to stall
	Opening behaviour	spontaneous, delayed	spontaneous, quickly
FULLSTALL (symmetric exit)			
FULLSTALL (asymmetric exit)			
SPIN AT TRIM SPEED			
SPIN IN STATIONARY TURN			
SPIRAL DIVE			
	Entry	easy	easy
	Spin tendency	not available	not available
	Exit	spontaneous	spontaneous
B LINE STALL			
	Entry	easy	easy
	Exit	spontaneous	spontaneous
LANDING			
	Landing behaviour	easy	easy
ADDITIONAL FLIGHT SAFETY REMARKS			