



DHV paraglider test flight report

Type designation Gradient Aspen 28

Manufacturer Gradient s.r.o.

Type test reference no DHV GS-01-1071-03

Classification 2 GH

Number of seats 1

Winch towing Yes

	Behaviour at min weight in flight (90 kg)	Behaviour at max weight in flight (120 kg)
TAKE-OFF	1 -- 2	1 -- 2
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 -- 2	1 -- 2
Trim speed	37 km/h	37 km/h
Speed accelerated		56 km/h
Roll damping	average	high
TURN BEHAVIOUR	1 -- 2	2
Spin tendency	slight	slight
Control travel	average	high
Agility	average	high
SYMMETRIC STALL	1 -- 2	1 -- 2
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
Control pressure increase	high	high
SYMMETRIC TUCK	2	2
Tendency to shoot forward	slight	slight
Opening behaviour	spontaneous, delayed	spontaneous, quickly
SYMMETRIC TUCK (ACCELERATED)	-	2
Tendency to shoot forward	-	slight
Opening behaviour	- -	spontaneous, delayed
ASYMMETRIC TUCK	2	2
Turn	90 - 180 degrees	180 - 360 degrees
Rate of turn	average with deceleration	average with deceleration
Loss of altitude	average	average

Stabilization	spontaneous	spontaneous
Opening behaviour	spontaneous, delayed	spontaneous, impulsive
ASYMMETRIC TUCK (ACCELERATED)	-	2
Turn	-	90 - 180 degrees
Rate of turn	- -	average with deceleration
Loss of altitude	-	average
Stabilization	-	spontaneous
Opening behaviour	- -	spontaneous, quickly
COUNTERSTEERING AN ASYMMETRIC TUCK	1 -- 2	1 -- 2
Stabilization	countersteering easy	countersteering easy
Control travel	average	average
Control pressure increase	high	high
Opposite turn	easy, no tendency to stall	easy, no tendency to stall
Opening behaviour	spontaneous, delayed	spontaneous, delayed
FULLSTALL (symmetric exit)	2	2
FULLSTALL (asymmetric exit)	2	2
SPIN AT TRIM SPEED	2	2
SPIN IN STATIONARY TURN	1 -- 2	1 -- 2
SPIRAL DIVE	1 -- 2	1 -- 2
Entry	easy	easy
Spin tendency	slight	slight
Exit	spontaneous	spontaneous
B LINE STALL	1 -- 2	1 -- 2
Entry	easy	easy
Exit	spontaneous	spontaneous
LANDING	1 -- 2	1 -- 2
Landing behaviour	easy	easy
ADDITIONAL FLIGHT SAFETY REMARKS : /		